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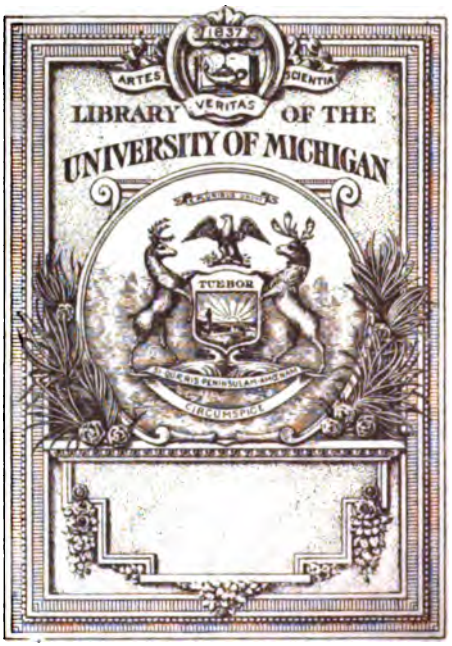

THE GIFT OF
The Mich. St. Normal Coll.

THE MICHIGAN STATE NORMAL COLLEGE

YEAR BOOK

1904-1905

510.11
486

The
Main
Build

YEAR BOOK

OF THE

Michigan State Normal College

FOR

1904-1905

INCLUDING

ANNOUNCEMENTS FOR 1905-1906

AND

REGISTER OF STUDENTS

1905

Michigan State Normal College

L. H. JONES, A.M., PRESIDENT

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HON. W. J. MCKONE	Vice-President
HON. JAMES H. THOMPSON	Treasurer
HON. PATRICK H. KELLEY	Secretary

HON. PATRICK H. KELLEY
Superintendent of Public Instruction

Regular meeting of the Board, fourth Friday of each month

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SCHOOL CALENDAR FOR 1905-6

Holidays are printed in full-faced type

	June, 1905						November, 1905						April, 1906					
Sun.	---	**4**	**11**	**18**	**25**	---	---	**5**	**12**	**19**	**26**	---	**1**	**8**	**15**	**22**	**29**	---
Mon.	---	5	12	19	26	---	---	6	13	20	27	---	**2**	9	16	23	30	---
Tues.	---	6	13	20	27	---	---	7	14	21	28	---	3	10	17	24	---	---
Wed.	---	7	14	21	28	---	1	8	15	22	29	---	4	11	18	25	---	---
Thur.	1	8	15	**22**	29	---	2	9	16	23	**30**	---	5	12	19	26	---	---
Fri.	2	9	16	**23**	30	---	3	10	17	24	---	---	6	13	20	27	---	---
Sat.	**3**	**10**	**17**	**24**	---	---	**4**	**11**	**18**	**25**	---	---	**7**	**14**	**21**	**28**	---	---
	July, 1905						**December, 1905**						**May, 1906**					
Sun.	---	**2**	**9**	**16**	**23**	**30**	---	**3**	**10**	**17**	**24**	**31**	---	**6**	**13**	**20**	**27**	---
Mon.	---	3	10	17	24	31	---	4	11	**18**	**25**	---	---	7	14	21	28	---
Tues.	---	4	11	18	25	---	---	5	12	**19**	**26**	---	1	8	15	22	29	---
Wed.	---	5	12	19	26	---	---	6	13	**20**	**27**	---	2	9	16	23	**30**	---
Thur.	---	6	13	20	27	---	---	7	14	**21**	**28**	---	3	10	17	24	31	---
Fri.	---	7	14	21	28	---	1	8	15	**22**	**29**	---	4	11	18	25	---	---
Sat.	1	**8**	**15**	**22**	**29**	---	**2**	**9**	**16**	**23**	**30**	---	**5**	**12**	**19**	**26**	---	---
	August, 1905						**January, 1906**						**June, 1906**					
Sun.	---	**6**	**13**	**20**	**27**	---	---	**7**	**14**	**21**	**28**	---	---	**3**	**10**	**17**	**24**	---
Mon.	---	**7**	**14**	**21**	**28**	---	1	8	15	22	29	---	---	4	11	18	25	---
Tues.	1	**8**	**15**	**22**	**29**	---	2	9	16	23	30	---	---	5	12	19	26	---
Wed.	2	**9**	**16**	**23**	**30**	---	3	10	17	24	31	---	---	6	13	20	27	---
Thur.	3	**10**	**17**	**24**	**31**	---	4	11	18	25	---	---	---	7	14	**21**	28	---
Fri.	4	**11**	**18**	**25**	---	---	5	12	19	26	---	---	1	8	15	**22**	29	---
Sat.	**5**	**12**	**19**	**26**	---	---	**6**	**13**	**20**	**27**	---	---	**2**	**9**	**16**	**23**	**30**	---
	September, 1905						**February, 1906**						**July, 1906**					
Sun.	---	**3**	**10**	**17**	**24**	---	---	**4**	**11**	**18**	**25**	---	1	**8**	**15**	**22**	**29**	---
Mon.	---	**4**	**11**	**18**	**25**	---	---	5	12	19	26	---	2	9	16	23	30	---
Tues.	---	**5**	**12**	**19**	26	---	---	6	13	20	27	---	3	10	17	24	31	---
Wed.	---	**6**	**13**	**20**	27	---	---	7	14	21	28	---	**4**	11	18	25	---	---
Thur.	---	**7**	**14**	**21**	28	---	1	8	15	**22**	---	---	5	12	19	26	---	---
Fri.	1	**8**	**15**	**22**	29	---	2	9	16	23	---	---	6	13	20	27	---	---
Sat.	**2**	**9**	**16**	**23**	**30**	---	**3**	**10**	**17**	**24**	---	---	**7**	**14**	**21**	**28**	---	---
	October, 1905						**March, 1906**						**August, 1906**					
Sun.	1	**8**	**15**	22	29	---	---	**4**	**11**	**18**	**25**	---	---	**5**	**12**	**19**	26	---
Mon.	2	9	16	23	30	---	---	5	12	19	**26**	---	---	**6**	**13**	**20**	**27**	---
Tues.	3	10	17	24	31	---	---	6	13	20	**27**	---	---	**7**	**14**	**21**	**28**	---
Wed.	4	11	18	25	---	---	---	7	14	21	**28**	---	1	**8**	**15**	**22**	**29**	---
Thur.	5	12	19	26	---	---	1	8	15	22	**29**	---	2	**9**	**16**	**23**	**30**	---
Fri.	6	13	20	27	---	---	2	9	16	23	**30**	---	3	**10**	**17**	**24**	**31**	---
Sat.	**7**	**14**	**21**	**28**	---	---	**5**	**10**	**17**	**24**	**31**	---	4	11	**18**	**25**	---	---

ANNOUNCEMENTS FOR 1905-6

1905

Sunday, June 18..... Baccalaureate Address
Monday, June 19, p. m.....Junior Class-Day
Tuesday, June 20, a. m.....Conservatory Commencement
Tuesday, June 20, p. m... { Senior Class-Day, Alumni Reunion / President's Reception
Wednesday, June 21.....COMMENCEMENT

SUMMER SCHOOL

Monday, June 26.....Classification of Students
Tuesday, June 27.....Summer Term Begins
Friday, August 4.....Summer Term Closes

SUMMER VACATION—AUGUST 5 TO SEPTEMBER 22.

Friday, September 22 / Saturday, September 23 .....Entrance Examinations
Friday, September 22 / Saturday, September 23 / Monday, September 25 .....Classification of Students
Tuesday, September 26..... { Class Room Work of Fall Quarter Begins
Friday, September 29.....Literary Societies

Saturday, September 30.....S. C. A. Reception
Friday, October 6.....Faculty Reception to Students
Thursday, November 30
Friday, December 1 } .....Thanksgiving Recess
Friday, December 15.....Fall Quarter Closes

1906

Tuesday, January 2..... { Winter Quarter Begins
Entrance Examinations
Thursday, February 22.....Washington's Birthday
Friday, March 23.....Winter Quarter Closes
Tuesday, April 3.....Spring Quarter Begins
Wednesday, May 30.....Memorial Day
Sunday, June 17.....Baccalaureate Address
Monday, June 18, p. m.....Junior Class-Day
Tuesday, June 19, a. m.....Conservatory Commencement
Tuesday, June 19, p. m. { Senior Class-Day, Alumni Reunion
President's Reception
Wednesday, June 20.....COMMENCEMENT

FACULTY

OF THE

MICHIGAN STATE NORMAL COLLEGE

1905-6

L. H. JONES, A.M., PRESIDENT, 730 Forest Ave., Ypsilanti

HEADS OF DEPARTMENTS*

FREDERIC H. PEASE.....43 Summit St.
Director of Conservatory of Music.

DANIEL PUTNAM, A.M., LL.D..... 314 Forest Ave.
Professor of the Science and Art of Teaching.

JULIA ANNE KING, A.M., M.PD.....611 Pearl St.
Professor of History and Civics.

EDWIN A. STRONG, A.M.....127 Normal St.
Professor of Physical Sciences.

FLORUS A. BARBOUR, A.M.....704 Pearl St.
Professor of English.

BENJAMIN L. D'OOGE, A.M., PH.D.....602 Congress St.
Professor of Latin and Greek.

WILLIAM H. SHERZER, M.S., PH.D..... 9 N. Summit St
Professor of Natural Sciences.

CHARLES O. HOYT, PH.D.....318 Congress St.
Professor of the Science and History of Education

ELMER A. LYMAN, A.B.....126 N. Washington St.
Professor of Mathematics.

SAMUEL B. LAIRD, A. M., B.PD.....318 Forest Ave.
Professor of Psychology

DIMON H. ROBERTS, A.M.....615 Congress St.
Superintendent of Training School.

MARK S. W. JEFFERSON, A.M.....14 Normal St.
Professor of Geography.

*The names of the Faculty are arranged under the several subdivisions in order of the seniority of service.

RICHARD CLYDE FORD, PH.D.....505 Chicago Ave.
Professor of French and German.

J. STUART LATHERS, B. L.....324 Forest Ave.
Professor of Reading and Oratory.

WILBUR P. BOWEN, M.S., B.PD.....203 Brower
Professor of Physical Education.

NATHAN A. HARVEY, PH.D.,.....223 Summit St.
Professor of Pedagogy and Institute Conductor.

ASSOCIATE PROFESSOR

JOHN C. STONE, A.M.....501 Adams St.
Associate Professor of Mathematics.

INSTRUCTORS AND ASSISTANTS

ABIGAIL PEARCE, PH.B., B.PD.....410 Emmet St.
Instructor in English.

HELEN B. MUIR.....7 Normal St.
Instructor in Latin and Greek.

ADA A. NORTON, PH.M.....510 Pearl St.
Instructor in Mathematics

FLORENCE SHULTES, B.PD.....510 Emmet St.
Instructor in History.

MARY B. PUTNAM, PH.B., B.PD.....314 Forest Ave.
Instructor in Civics.

*FREDERICK R. GORTON, M.S., B.PD.....605 Emmet St.
Instructor in Physical Sciences.

**F. J. MELLENCAMP..... .14 Ballard St.
Acting Instructor in Physics.

MRS. FANNIE CHEEVER BURTON, M.PD.....517 N. Adams St.
Director of Women's Gymnasium.

CLYDE E. FOSTER..... 418 Florence St.
Instructor in Music.

ESTELLE DOWNING, A.B.....429 Adams St.
Assistant in English.

KATE R. THOMPSON..... .603 Ellis St.
Instructor in Mathematics.

---

* Absent on leave

** Resigned

JESSIE PHELPS, M.S.....429 Adams St.
Instructor in Natural Sciences.

BERTHA G. BUELL, B.L.....429 Adams St.
Assistant in History

B. W. PEET, M.S.....510 Emmet St.
Instructor in Chemistry.

*MINOR E. WHITE.....727 Chicago Ave.
Assistant in Music.

MARY A. GODDARD, B.S.....516 Adams St.
Instructor in Natural Sciences.

BERTHA GOODISON.....310 S. Huron St.
Instructor in Drawing.

*ALMA BLOUNT, PH.D.....405 Congress St.
Instructor in English.

S. D. MAGERS, M.S.....9 S. Summit St.
Instructor in Natural Sciences.

ANNA H. OLMSTED.....220 Huron St.
Instructor in Drawing.

LOTA H. GARNER.....201 Normal St.
Assistant in Drawing.

**GEORGE V. EDWARDS, PH.D.....213 Hamilton St.
Instructor in Latin

IDA FLEISCHER, PH.D.....508 Ellis St.
Instructor in French and German

MARY JOY LOMBARD, B.L.....525 N. Adams St.
Instructor in French and German

INEZ M. CLARK.....517 N. Adams St.
Assistant in Gymnasium.

**ISAIAH BOWMAN.....123 Summit St.
Instructor in Geography.

RUTH PUTNAM.....314 Forest Ave.
Assistant in Music.

INA MILROY, PH.D., ...14 Ballard St.
Acting Instructor in Physical Science.

MARGARET LOCKWOOD, ...708 Congress St.
Instructor in Geography.

---

*Absent on leave.
**Resigned.

MARY M. MASTER ..... 116 Adams St.
Assistant in Reading and Oratory

MARY E. ALCOTT, PH.B. ..... 309 Adams St.
Instructor in English.

ORLAND O. NORRIS ..... 315 Cross St.
Instructor in Latin

FACULTY OF THE TRAINING SCHOOL

DIMON H. ROBERTS, A.M., Superintendent.

HARRIET M. PLUNKETT, B. S. ..... 614 Cross St.
Critic Teacher, Fourth Grade.

MARGARET E. WISE ..... 18 Adams St.
Critic Teacher, First Grade.

HESTER P. STOWE ..... 220 Huron St.
Kindergartner.

ADELLA JACKSON ..... 105 Normal St.
Critic Teacher, Second Grade.

ABIGAIL ROE ..... 202 Summit St.
Critic Teacher, Sixth Grade.

CLYDE E. FOSTER ..... 418 Florence St
Supervisor of Music.

*ABIGAIL LYNCH ..... 117 Huron St.
Critic Teacher, Third Grade.

MARY M. STEAGALL, ED.B. ..... 117 Huron St.
Critic Teacher, Ninth and Tenth Grades.

BERTHA GOODISON ..... 321 S. Huron
Supervisor of Drawing.

ALICE I. BOARDMAN ..... 216 Hamilton St.
Supervisor of Manual Training.

MATTIE ALEXANDER MARTIN, A.B. ..... 220 Huron St.
Critic Teacher, Seventh Grade.

ELLA M. WILSON ..... 525 N. Adams St.
Critic Teacher, Fifth Grade.

INEZ M. CLARK ..... 517 N. Adams St.
Supervisor of Physical Training.

*Absent on leave.
**Resigned.

ANNETTE F. CHASE.....411 Pearl St.

Supervisor of Cooking and Domestic Science.

EDNA T. COOK, B.S., ...117 Huron St.

Critic Teacher, Eighth and Ninth Grades.

GRACE HAMMOND.....210 Washington St.

Assistant Kindergartner

LYDIA L. HEBRICK.....429 Adams St.

Assistant Kindergartner

ELISABETH B. MCLELLAN.....801 Congress St.

Acting Critic Teacher, Third Grade.

LIBRARY

Genevieve M. Walton, Librarian.....403 Huron St.
Alice Barnes, Assistant.....220 Huron St.
Guy Smith, Assistant .....121 College Place
M. B. Travis, Assistant.....125 College Place
Edna J. O'Dell, Assistant.....212 Hamilton St.

Administrative Organization of the State Normal College

THE COUNCIL

L. H. JONES, A.M., President.

Frederic H. Pease.
Daniel Putnam, A.M., LL.D.
Julia Anne King, A.M., M.Pd.
Edwin A. Strong, A.M.
Florus A. Barbour, A.M.
Benjamin L. D'Ooge, A.M., Ph.D.
Will H. Sherzer, M.S., Ph.D.
Charles O. Hoyt, Ph.D.
Elmer A. Lyman, A.B.
Samuel B. Laird, A.M., B.Pd.
Dimon H. Roberts, A.M.
Mark S. W. Jefferson, A.M.
Fannie Cheever Burton, M.Pd.
Richard Clyde Ford, Ph.D.
J. Stuart Lathers, B.L.
Wilbur P. Bowen, M.S., M.Pd.
Nathan A. Harvey, Ph.D.

Standing Committees.

The President is ex-officio a member of each committee.

Lectures and Entertainments—Lathers, Pease, Ford, Harvey.
Library—Hoyt, Putnam, King.
Advanced Standing—Laird, Jefferson, Strong.
Athletics—Barbour, Roberts, Gorton, Peet, Magers.
Year Book—D'Ooge, Lathers, Harvey.
Student Affairs—King, Burton, Bowen.
Normal News—Lyman, Ford, D'Ooge.
Classification of Degree Students—Sherzer, Lyman, Barbour.
Extra Studies—Jefferson, Strong, Laird.
Teachers' Bureau—Roberts, Sherzer, Hoyt.

Office

Frances L. Stewart, Clerk.....341 Cross St.
Agnes Morse, Stenographer.....208 East Cross St.
Katherine B. Joslyn, Stenographer.....202 Parsons

Superintendent of Buildings and Grounds

John W. Stevens.....509 Ellis St.

The Michigan State Normal College

LOCATION

The Normal College is located at Ypsilanti, Washtenaw County. Ypsilanti is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the Michigan Central system. The Ypsilanti branch of the Lake Shore & Michigan Southern gives a means of approach from the south and west. The D., Y., A. A. & J. electric line passes through the College campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette System at Wayne, and at Detroit and Jackson with the various roads entering those cities.

PURPOSE

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement, taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the College. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a Training School of nine grades and kindergarten is conducted. The law quoted above also provides that, before being admitted, all applicants shall sign a declaration of intention to teach in the schools of the state. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

HISTORY

The Ypsilanti Normal School was the sixth state normal school in the United States, and the first west of the Allegheny

Mountains. The law establishing it was enacted in 1849, and its first class was graduated in 1854. The average enrollment down to 1860 was 297; from 1860 to 1870, 347; from 1870 to 1880, 346; from 1880 to 1890, 537; and from 1890 to 1900, 975. The enrollment for the present year up to April 1 is 1608. Besides this rapid increase in numbers, there has been, during the last few years, a considerable increase in the number of students remaining through the year. Another notable gain has been in the better preparation of students. Since 1890 the number of preparatory students has steadily fallen, while the number of graduates of approved high schools has steadily risen. There has been more than a proportionate growth in the number of teachers, the original number of five having increased to twelve in 1880, and the Faculty now reaching a total of 60. The school for a number of years has been doing work of collegiate grade, and the Legislature of 1897, in recognition of this fact, authorized the State Board of Education to designate the school, in the courses leading to life certificates and degrees, by the name of Michigan State Normal College. Under the action of the Legislature of 1903 the State Board of Education has organized courses leading to the degree of Bachelor of Arts in Education.

GROUNDS

The original site chosen for the School contained a little less than six acres, situated on high ground overlooking the city, which lies in the Huron valley. This was increased by something over an acre in 1893, when a piece of ground lying to the south was purchased for the location of the Gymnasium. In 1895 the city of Ypsilanti purchased and presented to the College about five acres adjoining on the north. Since that time the state has purchased four acres more, and the citizens of Ypsilanti by public subscription have purchased ten acres more, making a total of thirty acres, upon which are located the College buildings, the heating plant, and the athletic field.

BUILDINGS

The original building, erected in 1852, was destroyed by fire in 1859 and immediately rebuilt. This second building now stands as the central part of the main building. The front part was added in 1878, the west addition in 1882, the north and south wings in 1888, giving the building as now used the form of a cross, with a length of about 300 feet in each direction. The

main building contains over sixty rooms, including class rooms, the assembly hall, the library, the offices of the President, the State Board of Education, the Clerk, and rooms for the Literary Societies.

The Conservatory building has recently been remodeled and greatly improved. It contains fifteen rooms, which are used exclusively by the Music Department.

The Gymnasium, erected in 1893, contains six rooms and is fully occupied by the department of Physical Training.

The Training School is a modern structure planned to accommodate eight grades and a kindergarten, and contains offices, recitation rooms, and an assembly room, in addition to the grade rooms.

Starkweather Hall, the gift of Mrs. Mary Starkweather, is a substantial and beautiful stone building, and is used by the Christian Association.

A new science building has recently been erected for the accommodation of the science departments. Spacious and well equipped class rooms and laboratories are provided for both the physical and biographical sciences.

EQUIPMENT

The library contains over 27,000 volumes, admirably selected and easily accessible. There are well equipped laboratories for the various lines of science work, the outfit including, in all cases, such apparatus as it is possible to obtain and use in high schools, as well as the more extensive and costly equipment suitable for a college. In the Department of Music there are provided a fine pipe organ and twelve or more pianos. The Physical Training Department has two fully equipped gymnasiums, affording opportunity for 500 students daily. The College is well supplied with examples of the best art, including a large number of casts of the best classic statuary, and a still larger number of photographic reproductions of the work of the world's best painters, which have been placed in the library, halls, and various class-rooms.

More complete information as to details of the equipment of the College is given below.

SCHOLARSHIPS

The State Legislature in 1899 passed an act providing "that five or more persons of full age, residing in the State of Michigan,

may associate and incorporate themselves together for the purpose of establishing loan funds for the benefit of schools, scholars, and students of this state, to assist them to attend the State Normal College at Ypsilanti, the Central Michigan Normal School at Mt. Pleasant, and other State Institutions."

A corporation organized in accordance with the provisions of this Act "shall be under the general management of not less than five or more than fifteen trustees," and "shall in law and equity be capable of taking and receiving real and personal estate, not exceeding twenty-five thousand dollars in the aggregate, for the purpose of its incorporation." (Public Acts of 899. Act No. 250, pages 389-391.)

Within the past year a society has been organized under these laws and a beginning has been made toward the administration of such a trust.

Funds to the amount of $400.00 have already been acquired. and it is believed that, now that a beginning has been made. large additions will be made to this loan fund.

The Library

The library numbers 27,500 volumes. The accessions are very evenly distributed among the departments, with a fair proportion for general reference books and for literature in a broader sense than the demands of class-room work would require.

The reading room has comfortable seating capacity for 130, but it is often overcrowded. Two thousand five hundred volumes are free of access, and also the current numbers of periodicals and newspapers. These books comprise: (1) General dictionaries, cyclopedias, commentaries, atlases, miscellaneous books of quotations, and literary helps and compendia, year books, almanacs, etc., etc. (2) All the bound files of general magazines, with Poole's index, the Cumulative index and the Library index. (3) Public documents, including the Congressional record, Census reports and others most used by the classes in Political science and by the Debating clubs.

The stack rooms are well arranged, both for convenience and lighting. The iron stacks of the Library Bureau are used. The Dewey classification is followed. The library is open from 7:15 a. m. to 5:30 p. m. on school days and from 7:15 a. m. to 12:00 m. on Saturdays.

Access to the shelves is restricted to students who assist for an hour a day in the library. Students desiring this work apply to the librarian; a regular hour is assigned for the quarter, and promptness and regularity are demanded. No credits are given for this work; but the free access to the shelves at all times during the day, the knowledge acquired of books and library work, and certain other privileges, are considered a good equivalent. There are sixty student assistants, all of whom work two quarters, many work longer. The librarian meets the new assistants one hour a week for instruction in practical library methods and reference work. Besides the service at the delivery desk, special work is assigned to each student.

The department libraries of from 100 to 300 volumes each, have increased. These constitute an effective addition to the

equipment of the class room for ready and special reference. Several of the departments have special card catalogues of subjects relating to their particular work. These give more complete and detailed reference than would be possible in a general catalogue of the library, and greatly facilitate the research work of the students.

The connection between the library and the Training School is very close. Each grade room has about 100 volumes as a school room library, and every hour many volumes go from the library for supplementary reading and illustrative helps in teaching.

In the reading room are the following periodicals:

Advocate of peace.
American chemical journal.
American education.
American historical review.
American journal of archaeology.
American journal of philology.
American journal of physiology.
American journal of psychology.
American journal of science.
American journal of sociology.
American naturalist.
American ornithology.
American physical education review.
Animal defender.
Annalen der physik.
Annals of American academy of political and social science.
Art journal (London).
Astro-physical journal.
Athenaeum.
Atlantic monthly.
Biological bulletin.
Bird-lore.
Blackwood.
Bookman.
Botanical gazette
Brush and pencil.
Bulletin of Amer. geog society.
Bulletin of Amer. math. society.
Bulletin of bibliography.
Bulletin of geological society of America.
Catholic world.
Centralblatt fur physiologie.
Century magazine.
Chautauquan.
Classical review.
Commons.
Contemporary review.
Cosmopolitan.
Critic.
Cumulative book index.
Cumulative index to periodicals.
Detroit free press.
Deutsche rundschau.
Dial.
Edinburgh review.
Education.
Educational review.
Electrical review.
Elementary school teacher.
Euphorion.
Fortnightly review.
Forum.
Gartenlaube.

Geographical journal.
Geographical teacher.
Geologisches centralblatt.
Harper's monthly.
Harper's weekly.
Hibbert journal.
House beautiful.
Index medicus.
Intelligence.
International journal of ethics.
International quarterly.
International studio.
Johns Hopkins university circulars.
Journal of American chemical society.
Journal of education, New England.
Journal of geography.
Journal of geology.
Journal of pedagogy.
Journal of political economy.
Kindergarten magazine.
Knowledge.
Library index.
Library journal.
Little folks.
Living age.
Mind and body.
Moderator topics.
Modern language notes.
Monist.
Medical courier.
Nation.
McClure's magazine.
Manual training magazine.
Michigan christian advocate.
Michigan political science association reports.
National geographical magazine.
Nature.
Neueren sprachen.
New education.
New York teachers' monographs.
Nineteenth century.
Normal college news.
North American review.
Notes and queries.
Outing.
Outlook.
Pädagogische zeitung.
Pedagogical seminary.
Petermann's mitteilungen.
Philosophical review.
Popular astronomy.
Popular science monthly.
Posse gymnasium journal.
Primary education.
Psychological bulletin.
Psychological review.
Public Libraries.
Public opinion.
Publishers' weekly.
Recreation.
Review of reviews.
Revue des deux mondes.
Revue internationale de l'enseignement.
Revue pedagogique.
Ryerson public library (Grand Rapids) bulletin.
St. Nicholas.
School and home education.
School arts book.
School review.
School science and mathematics.
Science.
Scientific American.
Scientific American supplement.
Scottish geographical magazine.
Scribner's magazine.
Teachers's college record.

U. S. Bulletin of department of labor.
U. S. Catalogue of public documents.
U. S. Census bulletins.
U. S. Congressional record.
U. S. Consular reports (monthly).
U. S. Consular reports (special.)
U. S. Monthly summary of commerce and finance.
U. S. Monthly weather review.
U. S. Smithsonian miscellaneous collections.
World's work.
Ypsilanti daily press.
Ypsilanti sentinel-commercial.
Zeitschrift für physikalischen u. chemischen unterricht.
Zeitschrift für die reform der höheren schulen.
Zeitschrift für diätetische u. physikalische therapie.

Besides those enumerated above, which are for general use, the following periodicals are taken regularly for the Training School.

TRAINING SCHOOL.

Little folks.....Grades 1, 2 and 3
Kindergarten Review.....Grade 1
Kindergarten magazine.....Grade 2
St. Nicholas.....Grade 4
Popular educator.....Grade 4
Youth's companion .....Grades 5 and 7
Normal instructor .....Office.

The library has been designated a "Remainder Depository" for United States Public documents, which facilitates the procuring from the general government of such documents and reports as are of the greatest value to the College.

Equipment for Science

BIOLOGICAL LABORATORY

The new science building greatly increases the facilities for biological study. Two large well-lighted laboratories are devoted to zoölogy and botany, while two smaller rooms are reserved for advanced work in these subjects. The laboratories and lecture rooms contain fairly complete collections for illustrative purposes and for systematic study, supplemented with charts and models. The department possesses a full equipment of compound dissecting microscopes, microtomes, tanks and aquaria, and the apparatus and instruments required for modern biological work. The herbarium contains some three thousand five hundred mounted plants from various sections of the United States and Canada. A large greenhouse, an artificial pond and a series of botanical gardens supply much material for study and class-room illustration. A vivarium adjoins the Nature Study lecture room in which will be kept for observation the animal forms desired for grade work.

PHYSIOLOGY

In addition to the zoölogical collection, which is used in the comparative anatomy, the college possesses a life-size manikin of French manufacture, articulated and unarticulated skeletons, numerous models, special preparations, apparatus, charts, photographs, and lantern slides. A complete series of microscopic mounts has been added during the past year. The State Board of Health liberally supplies the department with its pamphlets relating to the nature, spread and restriction of contagious diseases.

GEOLOGY

By means of purchases and donations the department has gotten together good working collections of minerals, rocks and fossils. Fairly complete illustrative collections are being arranged in a special room in the new science building, adjoining the laboratory and lecture room. The laboratory is equipped

with all needed instruments, apparatus and supplies for practical work upon minerals and rocks. Maps, charts, models, a stereopticon with numerous slides, and a growing collection of photographs, are used to enrich the class work in geology. A full photographic outfit and dark room are available for those desiring to make use of them. The moraines of the Huron-Erie ice lobe and the series of beaches of the ancient glacial lakes are within easy reach by electric car. The drift of the region furnishes an abundance of common rocks and minerals for individual collecting.

THE PHYSICAL LABORATORIES

In the new science building eleven rooms are appropriated to the instruction in physics:—a shop, a dynamo room, a lecture room and a laboratory each for elementary and advanced physics, a preparation room, two apparatus rooms, and a dark room each for photography and photometry. These rooms are supplied with the equipment and facilities for instruction usual to institutions of this rank.

Material for a practical course in the theory and use of a simple set of meteorological instruments is located here for the use of the class in nature study.

The astronomical instruction is also given here and in a work room and a transit room on the roof, connected with a large open-air observatory. The dome for the equatorial has not yet been completed.

Seven rooms are appropriated to chemistry:—a store and dispensing room, a lecture room, a preparation room, a laboratory for elementary chemistry, a laboratory for advanced chemistry, a combustion room, and a balance room and library.

TEACHERS' LIBRARY

Largely through the generosity of the leading publishing houses, the Natural Science department has accumulated the nucleus of a teachers' library of texts, guides, helps and supplementary readers. This now numbers about 25 volumes relating to zoölogy, physiology, botany, and geology. Pupils and visiting teachers who desire to make a comparative study of texts, or to learn what is available in these subjects, are cordially invited to make use of this library. The general library is supplied with the important books of reference, periodicals, manuals and advanced texts, relating to the natural sciences.

LIBRARY OF PHYSICAL SCIENCE

The special library of physical science consists of over two hundred books placed in the several laboratories, with facilities for their use. To encourage such use a special card catalogue of scientific topics has been prepared. At present this consists almost entirely of an extension of the method of Poole's Index to scientific periodicals. Some six thousand entries have already been made, and the work is still in progress.

Societies and Clubs

THE ALUMNI

Since the Normal was first opened in 1853 there have gone from it over 5,000 graduates, the great majority of whom have taught in the schools of our own and neighboring states. Over 1,600 have been graduated in the last five years, and the greater part of these have been engaged in teaching in Michigan. Individually, these alumni of the institution exert a considerable and wholesome influence in determining the educational policy of the state with which the interests of the State Normal College are inseparably connected. Until recently there has been very little movement towards organization, but within the last few years a marked increase in this direction has been noticeable. There have been more and larger alumni reunions, several class reunions and a considerable number of local organizations have been formed. Such organizations are a power for good, both to the graduates and to their Alma Mater, and deserve our encouragement and support. The following organizations should be mentioned:

THE ALUMNI ASSOCIATION

This organization now holds two annual meetings or reunions, one at Ypsilanti at Commencement time and the other in connection with the meeting of the State Teachers' Association. From 200 to 400 alumni are usually present at these gatherings. The Ypsilanti meeting is the regular business meeting, with which is combined an entertaining program.

THE U. OF M. NORMAL ALUMNI ASSOCIATION

This association was formed early in the year 1896-7, "for the purpose of uniting and binding-the acquaintanceships, efforts and sympathies of those interested in the future welfare and prosperity of the State Normal College as an institution; to keep in close communication with it, to foster a kindly feeling between it and the University, and to promote the interests of ex-Normal students at large." The membership is large and much substantial service has been rendered along the lines mentioned above.

THE CONSERVATORY ALUMNI ASSOCIATION

This association was formed in the spring of 1897. Last year a reception was given immediately following the Commencement-week concert of the Ypsilanti Choral Society. Visiting alumni, the Conservatory juniors, and members of both Conservatory and College faculties were invited. The opportunity for Conservatory graduates to meet and renew interest in one another and in the work, and to make the acquaintance of new members among the alumni was greatly appreciated.

It is the intention to hold one of these receptions every year. The association has members not only in many states of the union, but others perfecting themselves in the studies beyond the sea.

THE ATHLETIC ASSOCIATION

The athletic interests of the school are managed by a joint committee, representing the Faculty and the students' Athletic Association. This method of supervision creates confidence in the work of the organization and insures the wise conduct of its affairs. A new athletic field, large and well graded, furnishes ample opportunity for the practice of the usual outdoor sports. The various clubs and teams are trained under the supervision of the department of Physical Education, the work of the men forming a part of the regular work of the department, as outlined in the Department notes.

Beginning with the spring of 1905, training work in outdoor athletics is to be in charge of a special coach, who will also act as assistant in the department.

In the Gymnasium, which is one of the most convenient in the state, bathing facilities, lockers, etc., are furnished without expense to students.

Each student contributes one dollar per year for the support of the association and is thereby entitled to a season ticket to all the games. The affairs of the association are in a flourishing condition, and its work contributes much to the formation of a loyal college spirit, besides affording good, healthy exercise and entertainment for our student body.

STUDENTS' CHRISTIAN ASSOCIATION

This organization consists of two societies—the Young Women's Christian Association and the Young Men's Christian Association. Both are in a prosperous condition and hold two

meetings a week—a union prayer service on Wednesday evening, and separate meetings on Sunday afternoon.

Bible study is strongly emphasized, and intelligent interest in missions is awakened. Starkweather Hall, the gift of Mrs. Starkweather of Ypsilanti, is the center of religious interest in the College.

An employment bureau is connected with the association. Its aim is to aid students in finding some kind of remunerative service, whereby a portion of their college expenses can be defrayed.

SHAKESPEARE CLUB

A class, studying Shakespeare with Miss Pearce, organized in 1897 a club for the purpose of continuing painstaking, critical study of the works and life of Shakespeare. The purpose of the original organization is still the purpose of the club. Intensive rather than extensive study has been preferred by the members, and during the past year two of Shakespeare's plays have been studied, special attention having been given to the origin, structure and development of the plot. The study of the characters also added much to the interest of the work. The club holds its meetings semi-monthly, and the work for the evening is arranged by some member appointed as leader. The membership is limited and admission to the club is granted only by invitation.

GERMAN CLUB

This is an organization designed to give the students of the German classes an opportunity to cultivate a facility in German conversation. Interesting programs of an informal nature are carried out by the members. Meetings are held every two weeks, on Friday evenings, from six-thirty to seven-thirty o'clock.

THE YPSILANTI CHORAL SOCIETY

The Normal Choir, which has been in existence since the beginning of the school, has now been merged into the Ypsilanti Choral Society—a change that has resulted in renewed interest in musical matters.

By Commencement time eight entertainments will have been given by the society. The first one was "a request program," made up entirely of the compositions of Professor Pease; "The Banner of St. George," by the celebrated English composer, Edward Elgar, was offered for the second concert. Later came Sullivan's "Golden Legend," with the soloists—Mrs. Jennie Os-

Starkweather Hall and the Science Building

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borne Hannah, soprano; Mrs. Marshall Pease, contralto; Mr. Alfred A. Shaw, tenor; Mr. Fred Ellis, bass, and the Cincinnati Orchestra. During the last week of the year the Commencement Concert was given, when "The Banner of St. George" was repeated, and Liza Schuman's "The Persian Garden" was sung by Mrs. Carolyn Herr, Mrs. Annis Gray, Mr. Marshall Pease, Mr. Fred G. Ellis.

February 17 was given Mendelssohn's Oratorio, "Elijah," with Mr. Herbert Witherspoon in the title-role, Miss Marian Field, soprano, and Mr. Reed J. Miller, tenor, all of New York City; Mrs. Marshall Pease, contralto, of Detroit; Mr. G. Arthur Depew, of Detroit, organist; Mr. Henri Ern, violinist, and a Detroit orchestra.

An opera was given for the Commencement concert.

THE LITERARY AND ORATORICAL SOCIETIES

The organization of the Normal Lyceum dates back to the early history of the school. It consists at the present time of the Olympic, Atheneum and Crescent societies. Each of these societies is limited to a membership of forty. The work is of a general literary character, consisting of readings, recitations, essays, orations, music, etc., and is practically the same in each society. During the year the societies give two joint public programs in Normal Hall, electing for participants on this occasion their most faithful and capable members. Each society has a room of its own, tastefully furnished and provided with a piano.

The Oratorical Association, both in purpose and organization, is closely allied to the Lyceum. The societies contribute to the support of the Oratorical Association. During the past year the association has distributed prizes to the value of one hundred and fifty dollars in the annual oratorical contest and debate.

In connection with these organizations should also be mentioned the Webster, the Lincoln, and the Portia debating clubs. These clubs are limited to sixteen members each, and are organized purely for the purpose of debate. The work is done under the supervision of the department of Reading and Oratory, and has proved very valuable for those who wish to perfect themselves in public speaking.

The Normal News

The Normal News is the students' journal of the institution, and has been in successful operation for a number of years. An important change in its plan of operation was instituted two years ago in that it was changed from a monthly to a weekly publication. It was hoped that in this way there would be a more vital relation between the paper and the life of the College in its various phases. The great success of the enterprise since that time has more than justified the wisdom of the change. The first three issues of each month are devoted mainly to college news. The fourth is a magazine number, and combines with the news of the week the literary and artistic features of the former monthly edition. The editors of the paper are chosen from such members of the student body as have distinguished themselves in literary work. From an ordinary college paper it has grown to be a strong pedagogical journal whose influence is felt throughout Michigan and in the neighboring states. It reaches every high school in our commonwealth and has enlisted among its contributors some of the strongest educational writers. The subscription list has greatly increased and is growing rapidly, and we note with especial pleasure the fact that large numbers of our alumni in various parts of the land are among the subscribers.

Normal College Extension Lectures

The State Normal College hopes in the future to be helpful in developing and improving the educational work in city, village and rural communities, by allowing its faculty members to give single lectures or courses of lectures at educational and social meetings. Members of the faculty of the College, so far as their regular work will allow, will give lectures as indicated below. The only charge made for these lectures will be necessary railroad and hotel expenses. The occasions will include addresses to high school students, grange meetings, farmers' clubs, lecture associations and literary societies, in cities, villages, or rural communities. The most convenient dates are, of course, Friday evenings and Saturdays. Normal College professors also give Commencement addresses and do Institute work for which regular charges are made.

Persons wishing to avail themselves of these extension lectures should write the president, expressing their preferences, when some member of the faculty will be assigned to the date. Especial attention will be given to Alumni clubs throughout the State.

Under such extension lectures the following courses are offered:

President Jones—

Young People I Have Known and What Became of Them.
The Teaching of Patriotism a National Duty.
Eminent Educators I Have Known.
The School and the Child.
Consolidation of Rural Schools an Educational and Social Necessity.
Ideals the Basis of Character Development.
Some Social Conditions Which Need Improving.

Professor S. B. Laird—

Twentieth Century Education.
Scope and Value of an Education.
Adolescence.
School Discipline.
Abnormal School Fatigue and How Partly Eliminated.

Professor C. O. Hoyt—

Pestalozzi, the Swiss Reformer.
Froebel and the Kindergarten.
Our Educational Inheritance.
Thomas Jefferson as an Educator.
"The Great Stone Face."

Professor F. A. Barbour—

The Educative Value of Language Study.
The Educative Value of Music.
Can Literature Be Taught?
Principles Underlying English Composition.
The Imaginative Reading of Shakespeare.

Professor Benj. L. D'Ooge—

Recent Educational Movements.
The Successful Teacher.

The following lectures are illustrated with the stereopticon. There will necessarily be an additional charge for lantern and operator unless these are furnished by the locality.

The Rise and Development of Greek Art.
Athens in the Days of Pericles.
Tours in Greece.
Rome in the Days of the Caesars.
The Roman Forum.
Classic Sites in Sicily.
Life in Ancient Pompeii.

Professor R. C. Ford—

Some Demands of the New Century.
A Boy's Trip to the Orient.
What I Saw in the German Schools.

Professor E. A. Strong—

The Forces of Nature.
The Properties of Matter,
as ordinary substitute work; or more formal lectures on
The Life and Work of Galileo,
The Life and Work of Newton,
Recent Views of the Constitution of Matter,
or lantern lectures, at an expense of $20.00 each, on—
The Moon in Science, Song and Story,
Astronomical Observatories and Observers.

Professor E. A. Lyman—

Historical Sketch of the Origin of Arithmetic, Illustrated by old texts.

Historical Origin and Development of Measures of Length, Weight, Time, etc.

Professor M. S. W. Jefferson—

Russia and Japan.

The Argentine Republic.

Winds and Climates.

Norway.

The Normal Lecture and Music Course

During the season of 1904-5 the following entertainments were given in the College Hall, under the auspices of the College Faculty. Tickets to these entertainments are sold at as low a price as is consistent with paying the expenses of the course.

Oct. 24, Campanari Concert Company.
Dec. 6, Frank Bristol.
Jan. 20, Israel C. Russell.
Feb. 24, Normal Choir Concert.
Mar. 15, Dewitt Miller.
Mar. 22, J. P. Dolliver.
Apr. 17, George R. Wendling.

In addition to the lectures given in the regular course speakers of note are frequently secured to address the students at chapel, or on other occasions. Within the last year the College has been favored with lectures by Rt. Rev. G. H. Williams, Bishop of Marquette; Mrs. Lucia Ames Mead, Rabbi Leo Franklin, and others.

General Items

DISCIPLINE

The State Normal College is supported by the taxpayers of Michigan, and is responsible to the state for the character and scholarship of those it sends out to teach in the public schools. The administrative authorities have therefore adopted the policy of asking such students as are found not to be adapted to school work to withdraw from the institution. Students who fail to pass in a large part of their work, or whose character and habits are such as to unfit them in any sense for the important work of teaching, cannot expect to complete the course and receive the sanction of the authorities of the institution. Every effort will be made to encourage, direct and assist all worthy students, but those who do not show promise of good results or are otherwise unfit to go into the public schools as teachers, will be asked to withdraw.

THE TEACHERS' BUREAU

The Teachers' Bureau consists of a committee of the Faculty, which seeks to place each graduate of the institution in the position best adapted to his qualifications. These qualifications are determined by a careful examination of the student's complete record as shown by his work done not only in the Training School but also in the various departments of the College. The Bureau in this way seeks to do full justice to every student, and is able to give exact and discriminating information to school officials seeking teachers. During the current year the work of the Bureau has been extended to include all graduates of the College teaching in the state, with the view of giving them all possible assistance in advancing their professional interests. Full and confidential information will be sent school officials concerning candidates. It is our policy not to send out general letters of recommendation for indiscriminate use, but to recommend a candidate for the particular position that he is qualified to fill. A large number of the members of the graduating class have had considerable experience in teaching besides that ob-

tained in the Training School. There are among our students and graduates persons admirably fitted for the various high school principalships and superintendencies. School authorities are invited to visit Ypsilanti and see the students at work, and make selections of teachers after a personal interview. All letters of inquiry will receive careful attention.

During 1905-6 the Bureau will consist of the following: Prof. Dimon H. Roberts, Prof. William H. Sherzer and Prof. Chas. O. Hoyt.

EXPENSES

School Fees

Every student is required to pay at the beginning of each quarter, or upon any subsequent entrance for the quarter or for any part of a quarter, an entrance fee of three dollars ($3.00). This is not returnable because of withdrawal after the student has once regularly entered.

Students in the Conservatory of Music who carry subjects in the Normal courses, pay the same entrance fee as do others. Conservatory students who take private lessons only pay each quarter an entrance fee of one dollar and a half ($1.50).

Every student is required to pay one dollar for the support of the Athletic Association, and receives in return a season ticket to all the games.

At the Gymnasium a deposit of 25 cents is required for the use of a locker key, upon return of which the money is refunded.

Laboratory fees will be collected in amounts varying from twenty-five cents to three dollars, according to the subjects taken.

Rooms and Board.

The school provides no dormitories. Abundant and usually convenient rooms may be had at reasonable rates in the homes of the citizens of Ypsilanti. Board and rooms may be had in the same family or separately. The latter is perhaps the more common. Rooms may be rented, furnished or unfurnished, by persons who wish to board themselves. Board alone may be had either in clubs or in private families. Board and room in families costs $3 to $4 per week. Fuel and lights are generally counted extra. Rooms alone, furnished for two, may be rented for 75 cents to $1.25 each per week. Students rooming alone pay double rent or nearly so. Board in clubs may be had for $1.75 to $2.50 per week.

An approximately correct estimate of all school expenses, including room, meals, school fees and incidentals may be put as follows:

Estimated Total Expenses per Term of 12 Weeks

Room and board, twelve weeks	$36 00
Fuel and lights	6 00
Laundry and incidentals	6 00
Books and stationery	7 00
Registration and other fees	5 00
Total	$60 00

Accepted Schools

Recognizing the importance of a permanent connection between the secondary schools of the state and the Normal College, the Board of Education has adopted a plan whereby formal recognition is given to the work done by the public school system of Michigan. The following extracts from the minutes of the Board explain fully the new policy:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in this state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the College, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public-school systems having not less than thirty-six weeks per year, in which four years are devoted to high-school work, be admitted to the regular two-years' life certificate college course without examination.

2. That all pupils who have finished not less than two years of high-school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on the course for all work which they may have already done beyond the first two years of the high-school course. Students are urgently advised, however, to complete the high-school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the College.

3. That all pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, in the discretion of the Faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily com-

pleted on first trial; and that all such cases be reported back to the high schools from which they come, with the facts in each case, to the end that the superintendents and principals of high schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination may in the discretion of the Faculty be withdrawn from graduates of such schools."

SUGGESTIONS TO HIGH SCHOOLS

The following suggestions are offered to high schools:

1. To such as are accepted, that they may maintain the required standard of work.

2. To such as are not accepted, that they may give proper preparation to their students in such of the prescribed subjects mentioned below as their limited resources enable them to offer.

Botany

The work desired in this subject should cover half a year and be such as is now being done in the better high schools of the country with the use of some of our modern texts. Laboratory methods should be employed, and a set of carefully prepared notes and drawings should be kept. No expensive equipment is needed, the ordinary hand magnifiers being sufficient. About half the course should be devoted to the study of typical seeds, their structure and germination, plant physiology from simple experiments, and the structure and function of root, stem and leaf. The other half of the course should aim to give the pupil a practical acquaintance with the chief characteristics and relationships of the common families of plants and secure for him some facility in the use of a standard key.

English

GRAMMAR.—Thorough familiarity with inflections, the rules of syntax, and the logical structure of the English sentence is essential. The ordinary eighth grade study of grammar is an inadequate preparation for the teachers' review in the Normal College. There should be a term's review of this subject in the latter part of the high school course.

RHETORIC.—A study of the elementary principles of style, together with continued practice in composition, is necessary. It is deemed of special importance that the writing of high

school students should, for several years, come under the eye of expert, authoritative criticism. Much practice in writing, under competent supervision, is indispensable.

ENGLISH LITERATURE.—A year's study of representative English classics, connecting the study of each classic with the literary characteristics of the historical period to which it belongs, is essential. This course should include an elementary course in the history of English literature, and a year of study in addition to the so-called English classics required in all courses.

History

Only those subjects which have a practical bearing upon the teaching of our National History are necessary; these are English history and United States history with civics.

General history, though not considered essential, should always find place among high school subjects.

The order is determined by the nature of the subjects. General history precedes and prepares the way for the others. English history affords an intelligent basis for United States history, while civics springs from history, and is best understood when studied as a phase of it. One semester of English history, taught with direct reference to our national history, followed by two semesters of United States history with civil government, will give an adequate course.

Good, accurate text-book work, supplemented by the use of maps, pictures, reprints and reference books, will best serve the purpose of the high schools.

Mathematics

ALGEBRA.—The course in algebra should include fundamental rules, fractions, simple equations, involution, evolution, radicals, and quadratic equations.

ARITHMETIC.—The work in this subject should consist of a semester's review covering the leading topics, and should be preceded by a course in algebra.

GEOMETRY.—The study of geometry should occupy at least one year, and should cover plane and solid (including spherical) geometry.

The work in mathematics outlined above should occupy three years. A review in algebra and geometry should be given in the last year of the high school course.

Physics

An improved course in physics implies the possession, on the part of the school, of sufficient apparatus, in good working order, to demonstrate the important laws and principles of elementary physics. At least one year, *following geometry*, should be given to this subject. The meter and centimeter and their squares and cubes, the gram, kilogram and liter should be thoroughly taught and much used. For this purpose it is preferred that other terms sometimes found in this system be not used. In addition to the above, a laboratory course of at least forty weeks, an hour per week, is expected in case an equipment for this purpose can be secured, and the time of the teacher be devoted to this subject for the hour, so that the laboratory work may be efficiently supervised. Graphical work, using geometry freely, is deemed important.

In purchasing apparatus many simple, inexpensive pieces should be preferred to costly and showy pieces, and working apparatus to illustrative apparatus. Special regard should be had to the effective demonstration of *fundamental principles* as opposed to novelties and curiosities. The list for purchase should be made up from the text-book used, and not principally from dealers' catalogues.

The student should acquire an *expert* use of scales, dividers, the balance, a burette, thermometer, barometer, a tuning fork, and a pocket lens.

Special stress should be placed upon fundamental concepts, such as mass, weight, density, energy, and their units of measurement.

The above hints are given to indicate a minimum course in physics and not to suggest any limitation of the work on the part of those schools which can do more.

Physical Geography

In the teaching of physical geography it is now not only desirable, but also possible to carry out some of the recommendations of the Committee of Ten. At the time when the report was issued not only were there no suitable texts, but the necessary literature was so widely scattered as to be of little value to the average teacher. The new texts and available referencs that have appeared since that date justify the recommendation that some of the suggestions of the committee be now more generally put into practice.

It is also especially desired that the work be supplemented

as far as possible by direct observation, and the construction and use of topographic and relief maps, charts, models, etc. This work may be made very valuable in the study of the atmosphere and weather changes. The "Physiographic Folio," recently issued by the United States Geological Survey containing the topographical maps of ten type regions, suggests the use to which these maps may be put in the teaching of physical geography.

The text is no longer sufficient material to place in the hands of pupils. Students and teachers should have access to a few well selected references in addition to the above-mentioned charts, maps and models. Geography, along with chemistry, physics and botany, has now come to demand its laboratory and laboratory work.

Such text-books as Davis, Tarr and Dryer are to be recommended. A full year's work is highly desirable.

Physiology

A half years' work with some good text, as Blaisdell, or the revised Martin, should be given to this subject. The text should be supplemented with simple individual or class experiments, and an equipment of preparations, models, and charts should be provided.

Conditions of Entrance

ENTRANCE WITHOUT EXAMINATION

Students who are college graduates, or graduates of accepted high schools (see p. 37) will be admitted to the College courses (see p. 45) without examination.

Students who have completed the first two years of the course of an accepted high school will be admitted to the Two Years' Preparatory College Course (see p. 46) without examination.

Students that hold first grade certificates properly endorsed will be admitted to the Two Years' Preparatory College Course (see p. 45) without examination. Such as hold a state certificate will be admitted without examination to the Two Years' College Life Certificate Course (see p. 46). Holders of these two classes of certificates, who have done work in advance of the entrance requirements and who wish credit for the same on their course here will be given examinations in such subjects as they desire to pass.

All students entering without examination should bring standings from their school, as evidence of their fitness to enter upon work here.

The conditions of entrance upon the Rural School Course and the Three-Year-Certificate course are defined on pages 55-57.

Entrance Examinations

Students coming from non-accepted high schools, or whose entrance credits are otherwise unsatisfactory, will be examined. Such as fall below the requirements for admission to the Two Years' Preparatory College Course (see p 46) will be classified in the Ninth or Tenth Grade of the Normal Training School, from which they may pass in regular order to the course above mentioned. Candidates will be examined in the following subjects:

Arithmetic

The applicant is supposed to have completed the work of some good text. A fair understanding of the subject is necessary for the examination.

Algebra

The preparatory work includes the following topics: addition, subtraction, multiplication, division, factoring, highest common factor, lowest common multiple, fractions, and simple equations involving one or more variables.

Grammar

This should include the parts of speech, their use and relations in connected discourse, and the structure and analysis of sentences. The knowledge and understanding of the subject should be somewhat above that required in the first eight grades of the public school or fully equal to the requirements in this branch for a second grade license to teach. The applicant should also have had, accompanying his reading and language lessons, much practice in composition, and be able to express himself in clear and grammatical English.

Reading and Orthoepy

Correct pronunciation being an essential of good reading, the regular course presupposes a thorough knowledge of orthoepy. The applicant should not only be able to indicate by diacritical marks the correct pronunciation of words in common use, but should possess a good degree of facility in pronouncing them, as to syllabication, accent, articulation and quality. He will also be expected to render intelligently any ordinary selection of prose or verse, giving satisfactory reasons for emphasis, quality, force, pitch, etc., employed by him.

Geography

All candidates should be familiar with the location and extent of the great countries of the world, of some of their greater cities, and best known mountains, rivers, lakes and adjacent seas.

They should thoroughly know the shape of the outline and of the general surface of each continent and its position on the globe.

The selection of topics for study should be governed by their importance to civilized man rather than by their picturesque or temporary interest.

United States History

The requirements for admission to the regular course are fully equal to those for a second-grade certificate. The applicant is supposed to have completed some good text, and to have acquired a ready knowledge of the main facts in their causal relations, and to be able to use them intelligently.

Civil Government

The teachers' course being only twelve weeks, the requirements for admission will be somewhat rigid. The examination will cover fully and in detail a good text-book, in both general and state government.

Physiology

Applicants should have a familiar knowledge of elementary physiology and hygiene. Such knowledge may be obtained from any of the better high-school texts when they are suitably supplemented with practical work and class demonstration. The student should know that his information is definite, and he should be ready to present simple drawings and diagrams.

Courses of Study

Admission

Students may be admitted at the opening of any quarter.

The several quarters begin on the last Tuesday of September, the first Tuesday of January, and of April, and continue for twelve weeks.

The conditions under which a student enters will determine the course of study to be pursued. (See page 42.)

By noting the following courses the student will be able to ascertain the character of the work he is prepared to do.

Courses Offered

TWO YEARS' PREPARATORY COLLEGE COURSE

Students who have finished the first two years of an accepted high school course are admitted without examination and are classified on a two years' preparatory course (see p. 46) leading to the college courses described below.

COLLEGE COURSES

The State Normal College offers the following courses of study:*

I. The Two Years' College Life Certificate Course (see p. 46).

NOTE—This with the Two Years' Preparatory College Course constitutes the Four Years' Life Certificate Course.

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*For the special course for Critic Teachers, the Specializing Kindergarten Primary Course, the Manual Training Course and the Course in Domestic Science see page 126.

[illegible] COURSE

[illegible] examination, covering [illegible] of years. [illegible] [illegible] examinations [illegible] [illegible] already done [illegible] will be credited. In [illegible] have taken [illegible] subject [illegible] [illegible] [illegible]

(see p. 49) and at least 12 weeks of electives must be drawn from each of the following departments: English, History, Geography, Natural Sciences, Physical Sciences, Mathematics (see Electives for Students on the General Course, p.48).

SPECIALIZING COURSE.—Students wishing to specialize in any department will find full liberty within this course. The head of the department in which the student specializes becomes the student's patron. Under the guidance of his patron the student enters at once upon his special line of work and is not required to take omitted high school subjects. He will omit elementary drawing, take but six teachers' courses (see p. 49) and select 12 electives in such departments as his patron shall advise.

The restrictions and regulations governing these two courses leading to a life certificate are further detailed as follows:

Required Subjects

The following subjects are required of all students on the Life Certificate Course:

Psychology	24	Weeks
General Method	12	"
History of Education	12	"
Teachers' Courses — General Students	96	"
Teachers' Courses — Specializing Students	72	"
Teaching	24	"
Physical Training (no credit)	48	"

The first three subjects named should be taken in the order given above, except by persons on partial courses.

High School Subjects Required of All Students Not Specializing

The high school subjects which must be credited from accepted schools, or taken as electives here unless a student is specializing, include the following:

Algebra	24	Weeks
Geometry	36	"
Rhetoric and Literature	36	"
English and United States History	36	"
Physical Geography	12	"
Botany	24	"
Physics	36	"
Physiology	12	"

No further credit will be given for a subject taken in a high school and repeated here.

The Two Years' College Life Certificate Course, whether general or specializing, cannot be shortened by high school credits. It may be shortened, however, by credits from a college, but not to exceed 144 weeks.

Electives for Students on the General Course.

Students on the general course must choose 12 weeks of electives from each of six departments (see p. 46). This requirement they will satisfy first of all by the election of omitted high school subjects (see last paragraph, p. 47). To such as have finished the required high school subjects the following electives in the several departments are open:—

ENGLISH.
- Principles of Criticism (1)*

GEOGRAPHY.
- Geography 1 (3)
- Geography 2 (4)

HISTORY.
- Nineteenth Century History (4)
- History of Greece (5)
- Advanced English History (9)

MATHEMATICS.
- Trigonometry (13)
- Higher Algebra 1 (14)

NATURAL SCIENCE.
- Cryptogamic Botany (4)
- Plant Physiology (5)
- Plant Ecology (6)
- Animal Studies (9)
- General Zoölogy (10)
- Vertebrate Structures (11)
- Advanced Physiology (14)
- Bacteriology (16)
- Dynamical Geology (18)
- Historical Geology (19)
- Glacial Geology (20)
- Palaeontology (21)

PHYSICAL SCIENCE.
- Chemistry 1 (6), 3 (9), (if preceded by high school chemistry).

*Figures in parenthesis refer to the courses as numbered under the several Departments, see p. 65 ff.

Physical Laboratory Practice (19)
Method in Physics (18)
Advanced Physics 1 (14)
Advanced Physics 2 (15) (if preceded by trigonometry or astronomy.
Advanced Physics 3 (16)

Teachers' Courses*

Students on the general course are required to take *eight* Teachers' Courses.

Students who are specializing are required to take *six* Teachers' Courses.

These they will select from the following list:

1. Arithmetic.
2. Civics.
3. Drawing.
4. Field Geography.
5. Geography.
6. Grammar.
7. History.
8. Music.
9. Physical Education.
10. Physiology.
11. Primary Nature Study.
12. Reading.
13. Secondary Nature Study.
14. Teachers' Course in Ancient Languages.
15. Teachers' Course in Modern Languages.

Each course contains 12 weeks. Courses 14 and 15 are open only to students specializing in languages. The right is reserved to assign to any student a particular teachers' course should his work show special need for it.

* For Teachers' Courses required for the Three-Year Certificate, see page 55

TWO YEARS' PREPARATORY COLLEGE COURSE

	First Year		Second Year	
FIRST TERM	Algebra 3	12	Solid Geometry	12
	Rhetoric	12	Physics 1	12
	English History 1	12	English Lit. 1	12
	*El. Drawing 1, or a Language	12	Elective	12
			†Physical Training 1	
SECOND TERM	Plane Geometry 1	12	Electives	24
	English History 2	12	Physics 2	12
	Structural Botany	12	English Lit. 2	12
	*El. Drawing 2, or a Language	12	†Physical Training 2	
THIRD TERM	Plane Geometry 2	12	Physics 3	12
	Systematic Botany	12	Electives	24
	Elective	12	Am. Col. History	12
	Physical Geography	12	†Physical Training 3	

*If a language be elected at this point, Elementary Drawing will have to be taken later in the course. Students that have had no foreign languages are advised to elect at least two years of Latin, German, or French.

†Four terms of Physical Training are required of all students before graduation.

TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

	Third Year		Fourth Year	
FIRST TERM	Psychology 1	12	Electives	12
	Teachers' Course	12	Teachers' Course	12
	Electives	24	Teaching or electives	24
	†Physical Training	4		
SECOND TERM	Psychology 2	12	Teachers' Course	12
	Teachers' Course	12	Hist. of Education	12
	Electives	24	Teaching or electives	24
THIRD TERM	General Method	12	Teachers' Courses	24
	Teachers' Courses	24	Teaching or electives	24
	Electives	12		

†Four terms of Physical Training are required of all students before graduation.

THE THREE YEARS' COLLEGE COURSE

The Three Years' College Course leads to the degree of Bachelor of Pedagogics. The first two years of this course are identical with the Two Years' College Life Certificate Course. It calls for one full year (144 weeks) additional work, and is never granted as an honorary degree. Students from other institutions who wish to pursue this course will be given credit for work done elsewhere as far as it corresponds in degree and kind to requirements here; but no amount of such credit shall shorten the course here to less than a year. Persons holding the A.B. degree from any reputable college may receive the degree of Bachelor of Pedagogics by taking a year of College work in residence, including the "Required Subjects" named on page 47.

Enrollment

Students wishing to enter on the work of the third year will fill out and present to the council a blank stating:

a. The work previously done.

b. The courses of study which they purpose to follow during the year. (For courses offered by the various departments see page 65 ff).

Classification and Required Studies

The classification of all students in the third year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which subjects are elected.

The work elected may be either general or specializing in character, but must always include:

a. Thirty-six weeks of advanced work in education.

b. One year of foreign language, unless at least two years of foreign language have already been credited. Students having credit for but one year of foreign language are required to pursue the same language for an additional year.

THE FOUR YEARS' COLLEGE COURSE

The Four Years' College Course leads to a degree of Bachelor of Arts in Education. This course is a continuation of the Three Years' College Course described above, and demands one year (144 weeks) of additional college work. For this final year

all the departments offer the highest and best form of professional training in both general and special lines. The degree which crowns its completion is never granted *honoris causa*, nor can any one receive it who has not already satisfied the requirements for the degree of B.Pd.

Enrollment

Students wishing to enter on the work of the fourth year will fill out and present to the council a blank indicating:

a. The work previously done.

b. The course of study which they purpose to follow during the year. (For courses offered for the fourth year by the several departments see page 65 ff).

Classification and Required Studies

The classification of all students in the fourth year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which the subjects are elected.

The subjects elected may be either general or specializing in character but must always include:

a. Twelve weeks in the philosophy of education.

b. The second year of a foreign language for those who have not already received credit for at least two years of foreign language study.

Graduation and Degrees

1. A Life Certificate and Diploma will be granted to all persons completing the Four Years' Life Certificate Course (see p. 46) or the Two Years' College Life Certificate Course (see p. 46).

2. The degree of B.Pd. will be granted upon the completion of the Three Years' College Course (see p. 52).

3. The degree of A.B. will be granted upon the completion of the Four Years' College Course (see page 52).

MASTER OF PEDAGOGICS

Provisions are made for taking the Master's degree as follows:

Any one holding the degree of Bachelor of Pedagogics from the Michigan State Normal College, may, upon application, receive the corresponding Master's degree (M.Pd.) upon the following conditions:

1. He shall furnish evidence satisfactory to the Faculty that he has been engaged in teaching or in school supervision continuously and with pronounced success for five years since receiving the Bachelor's degree.

2. He shall prepare and present a thesis acceptable to the Faculty, upon some subject connected with the history, science, or art of education; the Faculty reserving the right to assign the subject of such thesis.

Partial Courses

Teachers wishing to prepare for the examination for state teachers' certificates can enter any classes for which they are fitted without taking one of the regular courses. Furthermore, teachers of some experience and fair scholarship who wish to add to their skill as instructors in special subjects, or grades of subjects—as, for example, high school English, drawing in the

TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

	Third Year		Fourth Year	
FIRST TERM	Psychology 1	12	Electives	12
	Teachers' Course	12	Teachers' Course	12
	Electives	24	Teaching or electives	24
	†Physical Training	4		
SECOND TERM	Psychology 2	12	Teachers' Course	12
	Teachers' Course	12	Hist. of Education	12
	Electives	24	Teaching or electives	24
THIRD TERM	General Method	12	Teachers' Courses	24
	Teachers' Courses	24	Teaching or electives	24
	Electives	12		

†Four terms of Physical Training are required of all students before graduation.

THE THREE YEARS' COLLEGE COURSE

The Three Years' College Course leads to the degree of Bachelor of Pedagogics. The first two years of this course are identical with the Two Years' College Life Certificate Course. It calls for one full year (144 weeks) additional work, and is never granted as an honorary degree. Students from other institutions who wish to pursue this course will be given credit for work done elsewhere as far as it corresponds in degree and kind to requirements here; but no amount of such credit shall shorten the course here to less than a year. Persons holding the A.B. degree from any reputable college may receive the degree of Bachelor of Pedagogics by taking a year of College work in residence, including the "Required Subjects" named on page 47.

Enrollment

Students wishing to enter on the work of the third year will fill out and present to the council a blank stating:

a. The work previously done.

b. The courses of study which they purpose to follow during the year. (For courses offered by the various departments see page 65 ff).

Classification and Required Studies

The classification of all students in the third year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which subjects are elected.

The work elected may be either general or specializing in character, but must always include:

a. Thirty-six weeks of advanced work in education.

b. One year of foreign language, unless at least two years of foreign language have already been credited. Students having credit for but one year of foreign language are required to pursue the same language for an additional year.

THE FOUR YEARS' COLLEGE COURSE

The Four Years' College Course leads to a degree of Bachelor of Arts in Education. This course is a continuation of the Three Years' College Course described above, and demands one year (144 weeks) of additional college work. For this final year

all the departments offer the highest and best form of professional training in both general and special lines. The degree which crowns its completion is never granted *honoris causa*, nor can any one receive it who has not already satisfied the requirements for the degree of B.Pd.

Enrollment

Students wishing to enter on the work of the fourth year will fill out and present to the council a blank indicating:

a. The work previously done.

b. The course of study which they purpose to follow during the year. (For courses offered for the fourth year by the several departments see page 65 ff).

Classification and Required Studies

The classification of all students in the fourth year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which the subjects are elected.

The subjects elected may be either general or specializing in character but must always include:

a. Twelve weeks in the philosophy of education.

b. The second year of a foreign language for those who have not already received credit for at least two years of foreign language study.

Graduation and Degrees

1. A Life Certificate and Diploma will be granted to all persons completing the Four Years' Life Certificate Course (see p. 46) or the Two Years' College Life Certificate Course (see p. 46).

2. The degree of B.Pd. will be granted upon the completion of the Three Years' College Course (see p. 52).

3. The degree of A.B. will be granted upon the completion of the Four Years' College Course (see page 52).

MASTER OF PEDAGOGICS

Provisions are made for taking the Master's degree as follows:

Any one holding the degree of Bachelor of Pedagogics from the Michigan State Normal College, may, upon application, receive the corresponding Master's degree (M.Pd.) upon the following conditions:

1. He shall furnish evidence satisfactory to the Faculty that he has been engaged in teaching or in school supervision continuously and with pronounced success for five years since receiving the Bachelor's degree.

2. He shall prepare and present a thesis acceptable to the Faculty, upon some subject connected with the history, science, or art of education; the Faculty reserving the right to assign the subject of such thesis.

Partial Courses

Teachers wishing to prepare for the examination for state teachers' certificates can enter any classes for which they are fitted without taking one of the regular courses. Furthermore, teachers of some experience and fair scholarship who wish to add to their skill as instructors in special subjects, or grades of subjects—as, for example, high school English, drawing in the

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grades, music, physical training, science, history, foreign languages—are admitted to such studies as they choose, subject, however, to the direction of the President and heads of departments concerned. In such cases the work done is credited on the books but leads to no certificate, unless one of the full courses is completed.

Persons wishing to take up special studies are subject to the same conditions of admission as other students. (See p. 42).

Many students for various reasons are not able to complete one of the regular courses without interruption. To these no credits once earned are lost, and there is no objection to their continuing and completing the course at any subsequent time.

Limited Certificates

Besides the regular courses outlined in the preceding pages, there are two forms of limited certificates given for partial courses.

I. Three-Year-Certificate Course

A *Three-Year Certificate*, renewable for three years, will be given upon the completion by high school graduates of fourteen courses of work, as specified below. This will require one year and one summer term of work. The certificate is good in grades below the tenth. It includes the following courses:

Psychology 1 and 2.....24 Weeks
General Method.....12 Weeks
Four Teachers' Courses, selected from the following six teachers' courses:

Grammar
Arithmetic
Physiology
Geography
History
Reading
} .....48 Weeks

Teaching .....24 Weeks
Elementary Drawing 1 and 2.....24 Weeks
Three electives from omitted high school subjects (see p. 47).....36 Weeks
Except that specializing students may choose three terms of their specialty instead.

Students who take out this limited certificate and who return for the life certificate afterwards will be required to complete thirty-six weeks of work for the life certificate.

II. Rural School Course

A *three-year certificate*, good for three years and renewable for three years, valid in schools employing not more than two teachers, will be given on completion of the following course:

English Grammar, Composition and Literature for the Grades	36	Weeks
Reading and Orthoepy (with methods of teaching primary reading)	24	"
History of the United States (with methods)	24	"
Geography (with methods)	24	"
Arithmetic (with methods)	24	"
Elementary Algebra	24	"
General History	24	"
Elementary Physics	24	"
Observation and Teaching in the Training School	24	"
Botany	12	"
Elementary Agriculture	12	"
Civil Government	12	"
School Management	12	"
Psychology	12	"
Physiology	12	"
Music	12	"
Drawing	12	"
Penmanship	12	"
Physical Training (without credit)	36	"

NOTES

1. Teachers of experience in rural school work may receive credit on the above course in accordance with such experience.

2. Pupils who have taken any of the above subjects in high schools may receive credit for the subjects so taken.

3. The course (without credits) will require two years and one term (seven terms of 12 weeks each); or two years and two summer terms (summer terms six weeks each). The greatest amount of credit possible will reduce it to one year—that is, three terms of 12 weeks each.

4. Persons completing the course will receive a certificate valid for three years anywhere in the state in schools employing not more than two teachers. This certificate is renewable once for three years.

5. The Normal College desires to help those who need to prepare for second and third grade certificates. Classes in the necessary subjects are in progress every quarter.

6. Students wishing manual training will be allowed to take it in place of some one of the prescribed subjects under direction of the President.

Advanced Credits

Under certain conditions credit for work done elsewhere will be allowed upon courses here, provided that no credits from high schools shall shorten the Two Years' College Life Certificate Course (see p. 46). The Committee on Advanced Standing (see p. 14) may at their discretion allow such standings from the following schools: (1) The University of Michigan, the Agricultural College, and all other regularly incorporated Michigan colleges; (2) institutions of like rank in other states; (3) accepted Michigan high schools; (4) reputable secondary and superior schools in other states.

Candidates bringing standings from any of these schools will first submit them to the Committee on Advanced Standing for credit. These credits should then be reported to the office, and on this basis a classification will be made out.

Candidates for limited certificates must, as soon as possible after classification, secure their credits for work done elsewhere from the several heads of departments, after which these credits must be handed to the clerk for record.

Directions to Students

The following regulations apply to all students:

1. Present your credentials at the General Office and receive instructions as to classification.

2. Specializing students are classified by the head of the department in which they wish to specialize. Such classification will not be accepted for record unless signed by the head of the department concerned.

3. A copy of your high school or other standings should be filed early in the office with the clerk. Blanks for this purpose will be supplied on application.

4. After classification, pay your fee to the clerk. She will sign and return to you your classification card.

5. Enroll in your classes without delay. Each of your teachers will sign your card.

6. After having enrolled in all your classes, return your classification card to the clerk.

7. *Leave no classes permanently and make no change in classification without written permission from the President.*

8. After the clerk has signed the classification card all changes must be reported to her and recorded.

9. No student will be permitted to take more than *four* studies (not including physical training) except by permission of the committee on extra studies. Application for an extra study should be made in writing, with reasons therefor, to the chairman of the committee (see p. 14).

10. Students bringing credits beyond the requirements for entrance will receive no advance credit for the first year of a foreign language unless it be followed here by a second year of the same language.

11. It is important that all students should bear in mind the following regulations:

a.—Students on the Life Certificate Course, who are not specializing, must take all omitted high school subjects (see p. 47) as electives.

b.—Students not specializing on the Two Years' College Life Certificate Course must take seventy-two weeks of the ninety-six weeks of electives in the following six departments: English, History, Geography, Mathematics, Physical Science, Natural Science (see p. 48)

c.—Students not specializing on the Two Years' College Life Certificate Course must take *eight* of the Teachers' Courses (see p. 49), specializing students *six*, and candidates for the Three Years' Certificate, *four* (see p. 55)).

d.—All students are required to take four terms of physical training, for which no credit is given.

Students' Record

A tabulated statement of the work required for graduation from the Two Years' College Life Certificate Course, both general and specializing, is given below. It is suggested that each student keep a record of the progress of his work by means of this blank for his own information and guidance.

REQUIREMENTS FOR GRADUATION ON THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

General Course

Psychology 1, 2 (p. 117).
General Method (p.117).
History of Education (p. 118).
Drawing, Elementary 1, 2 (p. 65).
Teaching (p. 123).

Teachers' Courses (p. 49).	Electives (p. 47).....
1.....1.	English (pp. 48 and 69)..... ....
2.....2.	Geography (pp. 48 and 74).. .....
3.....3.	History (pp. 48 and 81).....
4.....4.	Mathematics (pp. 48 and 90) ....
5.....5.	Natural Science (pp. 48 and 98)...
6.....6.	Physical Science (pp. 48 and 111)
7.....7.	Free Elective ....
8.....8.	Free Elective..... ....

Physical Training (p. 107)

1.....

2.....

3.....

4.....

Specializing Course

Psychology 1, 2 (p.117).

General Method (p. 117).

History of Education (p. 118).

Teaching (p. 123).

Teachers' Courses (p. 49).	Electives (p. 47).
1.....	1.....
2.....	2.....
3.....	3.....
4.....	4.....
5.....	5.....
6.....	6.....
	7.....
Physical Training (p. 107)	8.....
2.....	9.....
3.....	10.....
4.....	11.....
1.....	12.....

SCHEDULE OF CLASSES—FALL QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 1	Algebra, Higher 1	Algebra 2	Counterpoint
Arithmetic, Tchrs'	Algebra, Higher 2	Algebra, Method in	Drawing, Elem. 1
Bl'kb'd Sketching	Arithmetic, Tchrs'.	Arithmetic, Tchrs'.	Elocution 1
Botany, Structural. (8-10)	Chemical Lab.	Artistic Singing	French 4
Chemistry, Organic	Drawing, Adv., 2	Botany, Structural. (10-12)	Grammar, Tchrs
Civics, Teachers'	Drawing, Elem. 1	Chemistry 3	Harmony 1
Drawing, Elem. 2	Geography 2	Civics, Teachers'	History, Greek
Drawing, Teachers'	Geometry, Plane 2	Drawing, Elem. 1	History, Industrial
French 1	German 7	French 1	Laboratory Ecn'my
General Method	German 10	French 7	Latin 4
Geometry, Analyt.	Greek 4	Geography, Elem.	Latin 10
Geometry, Plane 1	History, Adv. Amer.	German 4	Life Sketching
German 13	History of Ed. 2	Grammar, Tchrs'.	Meteorology
Greek 1	History, U. S. Pol.	Greek 7	Mythology
History ot Ed. 2	Latin 7	Harmony 2	Physical Laboratory Practice
History, English 1	Musical Form, an Analyzation for Supervisors	History of Ed. 2	Phys. Train. 1 (w)
History, Teachers'	Musical Form and Composition 1	History, Greek	Phys. Train, 4 (w)
History, Modern	Music, Elem. of, 1	History, Teachers'	Psychology 1
Kindergarten Music	Nature Study, Pri.	Latin 13b	Reading, Tchrs'.
Latin 13a	Phys. Train., 1 (w)	Latin 20	
Latin 16	Physics 1 and 2	Latin 23	
Meth. in Music for Eight Grades	Principles of Crit. 1	Life Sketching	
Music, History of	Psychology 2	Minerals and Rocks	
Nature Study, Pri.	Reading, Teachers'	Nature Study, Sec.	
Phys. Train., 1, (w)	Voice Culture 1	Phys. Train., 1 (w)	
Physics 1		Physics 2	
Physics Advanced 1		Physics, Method in	
Principles of Crit. 1		Physiography	
Psychology Adv. 1		Physiology, Tchrs'.	
		Psychology 1	
		Reading, Teachers'	
		Shakesperean Reading	
		Voice Culture 2	
		Voice Culture 3	

1-2	2-3	3-4	4-5
Arithmetic, Prep.	Anglo Saxon	Animal Studies	Athletics (m) 1 and 5
Chemistry 1	Astronomy	Arithmetic, Tchrs'.	Phys. Train. 3 (w)
Drawing, Elem. 1	Botany, Cryptog'mic	Athletics (m) 1 and 5	Phys. Train. 7 (w)
German 1	Chemical Lab.	German 1	
Kindergarten Instruction 1	Geography, Field (2-4)	Grammar, Prep.	
Reading and Orthoepy	Elocution 2	History, English 1	
Zoology, General 1 (1-3)	German 7	Lit. English 1	
	Grammar, Tchrs'.	Philosophy, Introduction to	
	History, American Constitutional	Phys. Train. 1 (m)	
	History, Greek	Phys. Train. 1 (w)	
	Hist. United States (rural schools)	Physiology, Tchrs'	
	Kindergarten Instruction 3	Psychology 1	
	Latin 1		
	Meth. in Music for Right Grades		
	Physical Education, Teachers'		
	Phys. Train. 1 (w)		
	Phys. Train. 4 (w)		
	Physiology of Exercise		
	Physiology, Tchrs'.		
	Psychology 1		
	Reading, Teachers'		
	Rhetoric		
	Trigonometry		

Hours to be arranged for Botanical Problems, Palæontology, and Special Studies in Zoölogy.

SCHEDULE OF CLASSES—WINTER QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 2 Bl'kb'd Sketching Botany, Structural (8-10) Calculus 1 Chem. of Com. Life Civics, Teachers' Drawing, Elem. 2 Drawing, Teachers' French 2 Geometry, Plane 2 General Method German 14 Grammar, Tchrs'. Greek 2 History of Ed. 2 History, English 1 History, English 2 History, Teachers' Kindergarten—Primary Music Latin 14 b Latin 17 Logic Meth. in Music for Right Grades Music, History of Nature Study, Pri. Phys. Train. 2 (w) Physics 2 Physics, Prep. Prin. of Crit. 2 Voice Culture 1	Algebra, Higher 2 Arithmetic, Tchrs'. Chemical Lab. 4 Drawing, Elem. 2 Drawing, Adv. 1 Drawing, Teachers'. Geography, Com. Geometry, Solid German 8 German 11 Grammar, Tchrs'. History of Ed. 2 History, Nineteenth Century Latin 8 Latin 11 Music, Elem. of, 2 Musical Form and Composition 2 Nature Study, Pri. Phys. Train. 2 (w) Physics, Method in Political Economy Prin. of Crit. 1 Prin. of Crit. 2 Psychology 1 Psychology 2 Reading, Teachers'.	Algebra 3 Algebra, Higher 1 Arithmetic, Tchrs'. Artistic Singing Botany, Structural, (10-12) Chemistry 4 Civics, Teachers' Drawing, Elem. 2 French 2 French 8 Geology, Dynamical Geom., Method in German 5 Greek 5 Greek 8 History of Ed. 2 History, Roman History, Teachers' Latin 14a Latin 22 Latin 24 Life Sketching Lit., English 1 Music, Elem. of, 1 Phys. Train. 2 (w) Physics 3 Physiography Physiology, Advanced (10-12) Physiol. of Exercise Physiology, Prep. Prin. of Crit. 1 Psychology 2 Reading, Teachers' Shakespeare Shakespearean Reading Voice Culture 2 Voice Culture 3	Arithmetic, Tchrs', Civil Government Counterpoint 2 Drawing, Elem. 1 Elocution 1 French 5 Geography, Physical Harmony 2 Historical Material History, Roman Latin 5 Latin 21 Life Sketching Lit., Adv. English 1 Mythology Optics, Advanced Phys. Lab. Practice Phys. Train. 3 (w) Phys. Train. 5 (w) Physics, Adv. 2 Psychology 2 Reading, Teachers'

1-2	2-3	3-4	4-5
Chemistry 2 Drawing, Elem. 1 English Composition German 2 Greek 8 Kindergarten Instruction 1 Zoölogy, General 2	Arithmetic, Tchrs', Chemical Lab. Elocution 2 Geography 2 German 8 History, Am. Const'l. Hist. United States (rural schools) History, Roman Kindergarten Instruction 2 Latin 2 Logic Middle English Phys. Ed. Teachers'. Phys. Lab. Prac. Adv Phys. Train. 2 (w) Phys. Train. 5 (w) Physiology, Tchrs'. Plant Physiology Psychology 2 Reading, Teachers' Rhetoric, Adv. Trigonometry	Algebra, Higher 1 German 1 Grammar, Tchrs'. Harmony 1 History, English 2 Hist. of Philosophy Lit., English 2 Phys. Train. 1 (m) Phys. Train. 2 (w) Physiology, Tchrs'. Psychology 2 Reading and Orthoepy	Athletics, (m) History, Institutes Phys. Train. 1 (w) Phys. Train. 8 (w)

SCHEDULE OF CLASSES—SPRING QUARTER

8-9	9-10	10-11	11-12
Acoustics Algebra, Higher 1 Algebra, Higher 2 Bl'kb'd Sketching Advanced Calculus 2 Chemistry, Phys. Civics, Teachers' Drawing. Elem. 2 French 3 French 6 General Method Geometry, Plane 1 Grammar, Tchrs'. Greek 3 Harmony 2 History of Ed. 1 Hist., Adv. English History, English 2 History, Tchrs'. Latin 15 Latin 18 Meth. in Music for Eight Grades Musical Com. 3 Nature Study, Pri. Phys. Train. 3 (w) Physics 1 Plant Ecology (7-9) Prin. of Crit. 1	Algebra 1 Arithmetic, Tchrs'. Chemistry 5, Lab. Drawing, Elem. 2 Drawing, Adv. 2 General Method Geometry, Solid German 9 German 12 Grammar, Tchrs'. Hist , U. S. Pol. History of Ed.' 2 Latin 9 Latin 12 Music, H. S. Meth. Music, Elem. of, 1 Nature Study, Pri. Physics, Method in Physiography Phys. Lab. Prac. Phys. Train. 2 (w) Phys. Train. 3 (w) Political Science Prin. of Crit. 1 Psychology 2 Reading, Teachers' Voice Culture 2	Arithmetic, Tchrs'. Artistic Singing Bacteriology (10-12) Botany, Systematic, (10-12) Chemistry 5 Civics, Teachers'. Drawing, Elem. 1 French 3 French 9 General Method Geography 2 Geology, Historical Geology, Glacial Geometry, Solid German 6 Greek 9 Harmony 3 History of Ed. 3 History, Teachers' History of Math. Latin 19 Latin 22 Latin 24 Life Sketching Masterpieces (English) Musical Form and Composition Phys. Train. 3 (w) Phys. Train. 3 (m) Physics 3 Prin. of Crit. 2 Reading, Teachers'. School Supervision Shakesperean Reading Theory of Equations	Algebra 3 Arithmetic, Tchrs'. Bl'kb'd Sketching Counterpoint 3 Elocution 1 General Method Geometry, Solid German 16 Greek 6 History of Ed. 4 History, Mediæval Latin 6 Life Sketching Lit. Adv. English 2 Modern Language—Teachers' Course Music, Elem. of, 2 Physical Lab. Prac. Phys. Train. 4 (m) Phys. Train. 6 (w) Physics, Advanced, 3 Reading, Teachers'. Sociology Trigonometry Voice Culture 1
1-2	**2-3**	**3-4**	**4-5**
Bl'kb'd Sketching Chemistry 3 English Composition German 3 Greek 9 Kindergarten Instruction 2 Physiology, Prep. Reading and Orthoepy	Astronomy Botany, Systematic, (2-4) Chemical Lab. Civil Government Current Topics Elocution 2 Ethics General Method Geography, Field (2-4) German 9 History, Mediæval Kindergarten Instruction 3 Latin 3 Literature, English 2 Meth. in Music for Eight Grades Oratory Philosophy of Ed. Phys. Ed. Teachers'. Phys. Train. 3 (w) Phys. Train. 6 (w) Physiology, Tchrs'. Rhetoric, Advanced Vertebrate Structures	Animal Studies Athletics (m) 3, 4, 5 Astronomy Adv. General Method German 2 German 5 Grammar, Prep. History, English 1 Hist. of Philosophy Phys. Train. 3 (w) Physiology, Tchrs' Rhetoric	Athletics, (m) 3, 4, 5 Hist., Institutes 3 Phys. Train. 2 (w) Phys. Train. 1 (w) Phys. Train. 9 (w)

Hours to be arranged for Plant Embryology and Special Studies in Zoölogy.

Details of Departments

Drawing

Miss Bertha Goodison.
Miss Anna H. Olmsted. Miss Lota H. Garner.

HIGH SCHOOL COURSES

1. Elementary Drawing 1. 12 Weeks.

This course takes up the study of the following type forms: the sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament.

Fall, winter and spring quarters.

Fall quarter—Four sections: 8-10, 10-11, 11-12, 1-2.
Winter quarter—Two sections: 11-12, 1-2.
Spring quarter—One section: 10-11.
Room 10. Miss Garner.

2. Elementary Drawing 2. 12 Weeks.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple appli-

cations: borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.

Winter quarter—Three sections: 8-9, 9-10, 10-11.

Spring quarter—Two sections: 8-9, 9-10.

Room 10. Miss Olmsted, Miss Garner.

COLLEGE COURSES

3. BLACKBOARD SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.

Winter quarter—Two sections: 11-12, 1-2.

Spring quarter—Two sections: 11-12, 1-2.

Room 24. Miss Garner .

4. ADVANCED DRAWING 1. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers and other subjects covering the main problems in decorative design.

Fall and winter quarters.

Fall quarter—One section: 9-10.

Winter quarter—One section: 9-10.

Room 14. Miss Olmsted.

5. ADVANCED DRAWING 2. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal from still-life and casts. Landscape composition is studied with some out-of-door sketching.

Advanced drawing 2 may be taken before advanced drawing 1.

Fall and spring quarters.

Fall quarter—One section: 9-10.

Spring quarter—One section: 9-10.

Room 14. Miss Olmsted.

6. TEACHERS' DRAWING. 12 WEEKS.

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the principles of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

Fall and winter terms.

Fall quarter—One section: 8-9.

Winter quarter—One section: 8-9.

Room 9. Miss Goodison.

7. LIFE SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 and advanced drawing 1 and 2, or their equivalent, must precede.

This class has two hours daily, four days in the week. The work is mainly in pencil from life models. Instruction is also given in figure composition.

Fall and winter quarters.

Fall quarter—One section: 10-12.

Winter quarter—One section: 10-12.

Room 7. Miss Olmsted.

8. LIFE SKETCHING 2. 12 WEEKS.

Elementary drawing 1 and 2, advanced drawing 1 and 2, and life sketching 1, or their full equivalent, must precede.

In this course studies are made from the head and figure in light and shade and color.

Exercises in original illustrative composition are given in connection with the study of famous pictures.

Spring quarter—One section: 10-12.

Room 7. Miss Olmsted.

9. ADVANCED BLACKBOARD SKETCHING. 12 WEEKS.

This is a continuation of Blackboard Sketching 1, and is

intended particularly for students specializing in this department.

The aim in this course is to develop skill and rapidity in execution, and to offer opportunity for making original sketches.

Drawings are made of figures, animals, landscapes and plant forms.

Spring quarter—One section: 8-9.

Room 24. Miss Goodison.

Students who are not specializing in this department may elect Courses 2 to 9 for the third or fourth college year.

English

PROFESSOR FLORUS A. BARBOUR
MISS ABIGAIL PEARCE
MISS ALMA BLOUNT MISS ESTELLE DOWNING

PREPARATORY COURSE

1. GRAMMAR.

An elementary, but systematic course in English Analysis, together with a rapid review of Etymology and Syntax. The course should enable students to pass the county examinations for a Third Grade Certificate, and is preparatory to the study of elementary Rhetoric in the Normal College.

Fall quarter, 3-4. Room 42. Miss Downing
Spring quarter, 3-4. Room 44. Miss Blount.

HIGH SCHOOL COURSES

1. RHETORIC.

Presupposes preparatory Grammar. Elementary work in note-taking and outlining of themes, with instruction in the intelligent use of library "helps." This is followed by a study of paragraphs, sentences, and words, with special reference to the principle of unity, coherence, and emphasis. Continual practice in composition is given throughout the course.

Fall quarter, 2-3. Room 42. Miss Downing.
Spring quarter, 3-4. Room 42. Miss Downing.

2. ENGLISH COMPOSITION.

This course is designed for high school graduates who have had insufficient training in English. Its aim is to lead the student to a more correct and forcible expression of his thoughts, both in speaking and writing. There will be instruction and drill in connection with the most common speech errors, together with oral discussion of assigned themes, and constant practice in writing. Through-

out the course attention will be paid to diction, sentence structure, and paragraphs.
Winter quarter, 1-2. Room 42. Miss Downing.
Spring quarter, 1-2. Room 42. Miss Downing.

3. ENGLISH LITERATURE 1 and 2.
The courses include an outline history of English Literature, based upon the great forces that have been at work shaping and developing the life of the English people. This historical work is chronological and is illustrated and supplemented by the study of representative classics from different periods. Course 1 extends from the earliest times to the age of Milton; Course 2, from Milton to modern times.
Course 1—Fall quarter, 3-4; winter quarter, 10-11. Room 44. Miss Blount.
Course 2—Winter quarter, 3-4; spring quarter, 2-3. Room 44. Miss Blount.

COLLEGE COURSES

1 PRINCIPLES OF CRITICISM 1.
The elementary principles of literary criticism applied to the study of selections from the American poets. Complete works of each author studied are placed in the hands of students as text-books in place of annotated texts, and original criticism is encouraged and cultivated. The nature of criticism is considered, the relation of the author to his work, the rhetorical principles of style, and the aesthetic principles underlying literary art. The course presupposes Rhetoric and English Literature 1 and 2.
Fall quarter, 8- 9. Section 1. Professor Barbour.
8-9. Section 2. Miss Pearce.
9-10. Section 3. Professor Barbour.
9-10. Section 4. Miss Pearce.
9-10. Section 5. Miss Downing.
Winter quarter, 9-10. Section 1. Professor Barbour.
Winter quarter, 10-11. Section 2. Miss Pearce.
Spring quarter, 9-10. Section 3. Room 40. Professor Barbour.
9-10. Section 2. Room 41. Miss Pearce.
8-9. Section 1. Room 40. Professor Barbour.

2. PRINCIPLES OF CRITICISM 2.
A study of American prose in accordance with the method

suggested for Course 1, and in all cases to be preceded by Course 1.

Winter quarter, 8- 9. Section 1. Professor Barbour.
9-10. Section 2. Miss Pearce.

Spring quarter, 10-11. One section. Miss Pearce.

3. ADVANCED ENGLISH LITERATURE 1.

This course covers a brief review of the different periods of English Literature, including the formative influences at work, and the characteristic and great representatives of each period. This work is preparatory to a general view of nineteenth century poetry, with special study of Shelley, Keats, Tennyson, Browning, Morris and Swinburne.

Winter quarter, 11-12. Room 41. Miss Pearce.

4. ADVANCED ENGLISH LITERATURE 2.

A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. The aim is to make this course helpful and suggestive not only to high school teachers but also to any teachers of narrative prose.

Spring quarter, 11-12. Room 41. Miss Pearce.

5. SHAKESPEARE.

A brief course of lectures on the technical construction of the drama, followed by an analytical study of several of Shakespeare's tragedies. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

Winter quarter, 10-11. Room 40. Professor Barbour.

6. ENGLISH MASTERPIECES.

A study of Carlyle's Sartor Resartus and DeQuincey's Opium Eater as two great types of nineteenth century prose.

Spring quarter, 10-11. Room 40. Professor Barbour.

7. ANGLO SAXON.

Cooke's First Book of Old English, followed by a course of lectures upon the history of the English Language. The course is considered of especial value to teachers of English Grammar.

Fall quarter, 2-3. Room 44. Miss Blount.

8. MIDDLE ENGLISH.

The study of Chaucer in Sweet's Second Middle English Primer and Morris' Prologue and Knightes Tale.

Winter quarter, 2-3. Room 44. Miss Blount.

9. TEACHERS' GRAMMAR.

(a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Fall quarter. Section 1, 10-11. Room 44. Miss Blount.
Section 2, 10-11. Room 41. Miss Pearce.
Section 3, 11-12. Room 44. Miss Blount.
Section 4, 11-12. Room 41. Miss Pearce.
Section 5, 2-3. Room 40. Professor Barbour

Winter quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 9-10. Room 44. Miss Blount.
Section 3, 3-4. Room 42. Miss Downing.

Spring quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 8-9. Room 44. Miss Blount.
Section 3, 9-10. Room 44. Miss Blount.

10. ADVANCED RHETORIC.

The work of this course constitutes a general review of rhetorical principles, and a practical application of these principles to English Composition. It includes a study of models in description, narration, exposition, and argument, together with constant practice in writing under these four types of prose structure. Some attention is also paid to note-taking and outlining themes. The course is especially designed for those who already have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or high schools; hence some emphasis is laid upon method.

Winter quarter, 2-3. Room 42. Miss Downing.
Spring quarter, 2-3. Room 42. Miss Downing.

DEGREE COURSES

High School Courses 1, 2, 3, and College Courses 1 and 9 will not be credited on the work of the third or fourth college year. Students not specializing in the English Department may elect in these years any of the other courses offered, after consultation with the head of the department.

Students who are specializing in this department may elect

courses 3, 4, 5, 6, for the third or fourth college year, and collateral work in foreign languages, history, reading and public speaking, after consultation with the head of the department.

The course in Mythology offered by the department of Latin and Greek is especially recommended to all students specializing in English.

Courses 5 and 6 may be considered as distinctively fourth year courses for students who plan to take the degree of A.B. All students in the third or fourth year who desire to elect courses in English should consult freely with the head of the department. Special consideration will be given to each student, and the courses to be elected will depend upon the department in which the student is specializing, or upon his previous studies in language and literature.

Geography

PROFESSOR M. S. W. JEFFERSON.

PREPARATORY COURSE

1. ELEMENTARY GEOGRAPHY. 12 WEEKS.
   The course will take up the distribution of physical, climatic and political regions of the earth with Tarr and McMurray's Third Book as text.
   Fall term, 1-2. Room 18. An Assistant.

HIGH SCHOOL COURSE

2. PHYSICAL GEOGRAPHY. 12 WEEKS.
   Credited from high schools. Required of all non-specializing students who have not studied the subject. Dryer's Physical Geography as text.
   Winter term, 11-12. Room 18. An Assistant.

COLLEGE COURSES

3. GEOGRAPHY 1.
   An out door Teachers' Course, illustrating the commoner types of Michigan landscapes. More than half of the exercises are conducted in the open air. Spring and fall quarters, 2-4. Professor Jefferson.
4. GEOGRAPHY 2.
   An indoor Teachers' Course, dealing especially with weather, climate, and the making and reading of maps with illustrative treatment of typical countries. Spring term, 10-11. Fall term 9-10. Winter term, 2-3. Room 21. Professor Jefferson and an Assistant.
5. PHYSIOGRAPHY OF THE LANDS. 12 WEEKS.
   Course 3 or Course 4 are prerequisite and find their complement in this course, which is recommended for students who have an elective in the department. Class exercises and laboratory work with maps, models and pictures. Text-book, Davis' Physical Geography.

Winter and Fall terms, 10-11. Spring term, 9-10. Professor Jefferson.

6. COMMERCIAL GEOGRAPHY. 12 WEEKS.
Course 3 is prerequisite. This course treats of the geographic control on the production and exchange of such commodities as cotton, wheat, iron, copper, wool and manufactured articles, to develop the principles underlying and guiding commercial activities. Adams' Commercial Geography.
Spring term, 9-10. An Assistant.

7. METEOROLOGY.
Davis' Meteorology used as a text with actual observations and studies of the weather and climate of Ypsilanti.
Fall term, 11-12. Professor Jefferson.

8. ADVANCED FIELD WORK.
The working out of the practical availability for out-of-door instruction in geography of some Michigan school locality.
Field work and consultation with Professor Jefferson.

DEGREE COURSES IN GEOGRAPHY

Courses 1, 2 and 3 will not be credited on the work of the third or fourth college year.

Students satisfactory to the head of the department may elect Courses 4, 5, 7 and 8 for the third or fourth college year.

Distinctively fourth year courses are 7 and 8.

German and French

PROFESSOR RICHARD CLYDE FORD

MISS IDA FLEISCHER, Ph.D. MISS MARY JOY LOMBARD.

GENERAL STATEMENT

The library of the department comprises about 1,000 volumes, besides a number of the leading pedagogical and literary journals of both languages, which are on file in the reading room of the College.

From time to time through the year informal lectures are given to the students of the departments on subjects relating to the politics, geography, history and literary life of France and Germany.

PRACTICE TEACHING

Special students of the department, if they desire, will have opportunity to do their teaching in the German classes of the High School section of the Training School.

SCHOLARSHIP

The Hon. Peter White, of Marquette, has made it possible for the department to award annually for four years $25 to some student of merit in the courses in French. The sum has become available this present year and Miss Elizabeth Beal Steere, of Ann Arbor, in the beginning class is the first student to be thus benefited.

THE B.PD. AND THE A.B. DEGREES.

Candidates for the above degrees, and specializing in this department, may elect courses: German—10, 11, 12, 13, 14, 15; French—7, 8, 9, 10, 11, 12, for the third or fourth college year.

Candidates, not specializing, may elect anywhere according to requirements of their preparation.

German

PREPARATORY COURSE

1. FALL QUARTER.
   Pronunciation; grammar (Lange's *German Method*; Thomas); conversation; sentence building; easy reading. Two sections:
   (a) Miss Lombard, 3-4. Room 23.
   (b) Dr. Ida Fleischer, 1-2. Room 22.
2. WINTER QUARTER.
   Grammar; conversation; written work; reading.
   (a) Miss Lombard, 3-4. Room 23.
   (b) Dr. Ida Fleischer, 1-2. Room 22.
   A beginners' class will be started in the winter quarter.
3. SPRING QUARTER.
   Reading; composition; grammar.
   (a) Miss Lombard, 3-4. Room 23.
   (b) Dr. Ida Fleischer, 1-2. Room 22.

   The work of this year is intended to give the student a good pronunciation and make him acquainted with the elements of the grammar and colloquial expression. The amount of matter read will approximate 250 pages and will be chosen from beginning readers and easy stories. There will be outside reading in English on subjects relating to modern Germany.

   The work of the first year is preparatory and treated as follows:

   Beginning work through one year, if taken here, or in an institution of equal grade is credited.

   Beginning work through one year, if taken in addition to the high school work required for entrance, will be credited *only when followed by an additional year here.*

HIGH SCHOOL COURSES

4. FALL QUARTER.
   Review grammar (part 1, Thomas). Reading matter chosen from such texts as Auerbach's *Brigitta*, Zschokke's *Der zerbrochene Krug*, Fulda's *Der Talisman*. Written work; conversation.
   Dr. Ida Fleischer, 10-11. Room 22.
5. WINTER QUARTER.
   Reading of prose continued. Seidel's *Leberecht Hühnchen*,

Riehl's *Burg Neideck*, etc. Dr. Ida Fleischer, 10-11. Room 22.

6. SPRING QUARTER.
Freytag's *Journalisten* or Lessing's *Minna von Barnhelm*; modern prose, etc. Dr. Ida Fleischer, 10-11. Room 22.

In this year the student is introduced to real literature as such, and a constant endeavor is made to cultivate a literary appreciation of the authors studied. At the same time work in grammar and composition is emphasized in order to fix thoroughly in the learner's mind the structural features of the language. Miscellaneous readings in English are continued.

7. FALL QUARTER.
Two sections.
(a) Goethe's *Tasso*; review of grammar; written work. Dr. Ida Fleischer, 9-10. Room 22.
(b) Freytag's *Soll und Haben*; Scheffel's *Trompeter von Säkkingen*, etc. Dr. Ida Fleischer, 2-3. Room 22.

8. WINTER QUARTER.
(a) Biography and travel; sight reading. Dr. Ida Fleischer, 9-10. Room 22.
(b) Current periodical literature; conversation. Dr. Ida Fleischer, 2-3. Room 22.

9. SPRING QUARTER.
(a) Current periodical literature; conversation. Dr. Ida Fleischer, 9-10. Room 22.
(b) History and scientific prose; conversation. Dr. Ida Fleischer, 2-3. Room 22.

The work of courses 7, 8, 9 is a continuation both in spirit and matter of the preceding year. Only enough grammar work is done to make the text intelligible, the emphasis of instruction being laid on extensive reading. Research work in English and German is now required.

COLLEGE COURSES

German Literature of the Nineteenth Century

10. FALL QUARTER.
Ballads and lyrics, 2 hours per week; prose composition, 2 hours. Professor Ford, 9-10. Room 50A.

11. WINTER QUARTER.
The rise of fiction; composition. Professor Ford, 9-10. Room 50A.

12. SPRING QUARTER.
German literature under the Empire; prose composition. Professor Ford, 9-10. Room 50A.
A suitable *Literaturgeschichte* will be used as an outline, illustrated by other texts, which will be studied in class. Each student will also be expected to make himself familiar with some special author whom he will read and report upon.

13. FALL QUARTER.
Lessing and his work. Professor Ford, 8-9. Room 50A.

14. WINTER QUARTER.
Goethe and his work; study of *Faust*. Professor Ford, 8-9. Room 50A

15. TEACHERS' COURSE. SPRING QUARTER.
History and methods of modern teaching. Discussion of the questions of technical grammar, etc. Professor Ford, 11-12. Room 50A.

French

HIGH SCHOOL COURSES

1. FALL QUARTER.
Pronunciation; grammar (Part I, Fraser and Squair); reading. Two sections:
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 23.

2. WINTER QUARTER.
Grammar continued; written exercises and conversation; reading.
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 22.

3. SPRING QUARTER.
Irregular verbs; written exercises; reading.
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 22.
In this year of French particular attention is paid to the matter of pronunciation and the elementary principles of the grammar and colloquial expression. From 300 to 400 pages of matter is read, chosen from such texts as Aldrich and Foster's *French Reader*, Bruno's *Le Tour de la France*, Halévy's *L'Abbé Constantin*, Dumas' *La Tulipe Noire*,

George Sand's *La Petite Fadette*, Labiche et Martin, *Le Voyage de M. Perrichon*. There will also be reading in English on subjects relating to modern France.

COLLEGE COURSES

4. FALL QUARTER.
   Review of grammar; reading, with written work and conversation. Professor Ford, 11-12. Room 50A.
5. WINTER QUARTER.
   Grammar; composition; reading. Professor Ford, 11-12. Room 50A.
6. SPRING QUARTER.
   Syntax; composition; reading. Professor Ford, 8-9. Room 50A.

   The reading of this year is taken from such texts as Mérimée's *Columba*, About's *Le Roi des Montagnes*, Sarcy's *Le Siége de Paris, Historiettes Modernes* and DeVigny's *La Canne de Jonc*, supplemented with sight reading from modern writers, and outside matter in English.
7. FALL QUARTER.
   First 160 pages of Duval's *Historie de la Littérature Francaise*; Molière's *Les Femmes Savantes*; Corneille's *Polyeucte*; Racine's *Esther*. Professor Ford, 10-11. Room 50A.
8. WINTER QUARTER.
   Duval's *Historie*, etc. Pages 160-263. Letters of Madame de Sévigné; Voltaire's prose. Professor Ford, 10-11. Room 50A.
9. SPRING QUARTER.
   Duval's *Historie de la Littérature Francaise* concluded. Lamartine's *Scènes de la Révolution Francaise*; Hugo's *Hernani*; Musset's *Comédies*; DeVigny's *Cinq Mars*; Professor Ford, 10-11. Room 50A.

   The year's work as outlined in the preceding courses is planned to give the student a systematic review of French literature since the 16th century. The main periods and authors are carefully outlined and studied, and the literary currents setting into the subsequent centuries are followed up.

10, 11, 12. FOR ADVANCED STUDENTS.
   The seminar method will be pursued in these courses, and the work will embrace studies in the history and development of the French language and grammar; the French element in English, with special readings in literature.

History

PROFESSOR JULIA ANNE KING.
MISS MARY B. PUTNAM. MISS BERTHA G. BUELL.
MISS FLORENCE SHULTES.

PREPARATORY COURSES

Classes are organized each quarter in United States history and civil government for students needing elementary work in these subjects. See schedule of classes.

HIGH SCHOOL COURSES

1. GENERAL HISTORY. 36 CONSECUTIVE WEEKS.
   An elective open to all students. The work is based upon a text-book. Begins the fall quarter. 10-11. Room 47. Miss Shultes.
2. HISTORY OF ENGLAND. 24 WEEKS.
   Text-book: Andrews. Begins each quarter. 8-9 and 3-4. The second half of the course, winter and spring quarters, 8-9 and 3-4. Room 48. Miss Buell.
3. POLITICAL HISTORY OF THE UNITED STATES. 12 WEEKS.
   Course 3 presupposes Course 2, or an equivalent. Text-book: McLaughlin. Fall and Spring quarters, 9-10 Room 48. Miss Buell.

COLLEGE COURSES

(a) Courses 4, 5, 9 are arranged for students desiring but a single elective in history.

(b) Courses 5, 6, 7, 8 may be elected early in the course by specializing students.

4. NINETEENTH CENTURY. 12 WEEKS.
   This course is included among those designed for students desiring a single elective in history. Text-book: West, with assigned topics for library. Winter quarter, 9-10. Room 48. Miss Buell.
5. HISTORY OF GREECE TO THE CONQUEST BY THE ROMANS. 12 WEEKS

Text-book: West, Ancient History, with assigned reading. Fall quarter, 11-12, 2-3. Room 47. Miss Shultes.

6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.
Supplementary to Course 5. It is urged that Courses 5 and 6 follow each other in the order named. Winter quarter, 11-12, 2-3. Room 47. Miss Shultes.

7. MEDIÆVAL HISTORY OF EUROPE FROM 800 TO 1500. 12 WEEKS.
Text-book: Thatcher, with assigned reading. Spring quarter, 11-12 and 2-3. Room 47. Miss Shultes.

8. MODERN EUROPE FROM 1500-1800. 12 WEEKS.
Text-book: Schwill, with assigned reading. Fall quarter. 8-9. Room 47. Miss Shultes.

9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.
This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Shultes.

10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.
This work is designed for the graduates from high schools, and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject. Fall quarter, 9-10. Room 45. Miss Putnam.

11. TEACHERS' HISTORY. 12 WEEKS.
Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and10-11. Room 49. Professor King.

12. TEACHERS' CIVICS. 12 WEEKS.
Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.

13. POLITICAL ECONOMY. 12 WEEKS.
Text-book. Supplemented by lectures, discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

14. POLITICAL SCIENCE. 12 WEEKS.
Course 14 presupposes Course 12, in which the student must have shown aptitude for the study. Lectures, with assigned topics for investigations. Spring quarter, 9-10. Room 45. Miss Putnam.

15. STUDY OF SOCIETY. 12 WEEKS.

Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written report. Spring quarter, 11-12. Room 49. Professor King.

16. INDUSTRIAL HISTORY. 12 WEEKS.

Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King.

17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 CONSECUTIVE WEEKS.

Not given in 1905-6.

Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.

The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.

Given in 1905-6.

Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

19. HISTORICAL MATERIAL. 12 WEEKS.

Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King.

20. SOCIOLOGY.

Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

21. PHILOSOPHY OF HISTORY.

Course 21 presupposes Course 11. Lectures with assigned topics for reading and discussion. Hours to be arranged with the instructor.

22. CURRENT HISTORY. 12 WEEKS.

The work takes up for research and discussion some of the important social events of the day. Spring quarter. 2-3. Room 45. Miss Putnam.

German and French

PROFESSOR RICHARD CLYDE FORD

MISS IDA FLEISCHER, Ph.D. MISS MARY JOY LOMBARD.

GENERAL STATEMENT

The library of the department comprises about 1,000 volumes, besides a number of the leading pedagogical and literary journals of both languages, which are on file in the reading room of the College.

From time to time through the year informal lectures are given to the students of the departments on subjects relating to the politics, geography, history and literary life of France and Germany.

PRACTICE TEACHING

Special students of the department, if they desire, will have opportunity to do their teaching in the German classes of the High School section of the Training School.

SCHOLARSHIP

The Hon. Peter White, of Marquette, has made it possible for the department to award annually for four years $25 to some student of merit in the courses in French. The sum has become available this present year and Miss Elizabeth Beal Steere, of Ann Arbor, in the beginning class is the first student to be thus benefited.

THE B.PD. AND THE A.B. DEGREES.

Candidates for the above degrees, and specializing in this department, may elect courses: German—10, 11, 12, 13, 14, 15; French—7, 8, 9, 10, 11, 12, for the third or fourth college year.

Candidates, not specializing, may elect anywhere according to requirements of their preparation.

German

PREPARATORY COURSE

1. FALL QUARTER.

Pronunciation; grammar (Lange's *German Method*; Thomas); conversation; sentence building; easy reading. Two sections:

(a) Miss Lombard, 3-4. Room 23.

(b) Dr. Ida Fleischer, 1-2. Room 22.

2. WINTER QUARTER.

Grammar; conversation; written work; reading.

(a) Miss Lombard, 3-4. Room 23.

(b) Dr. Ida Fleischer, 1-2. Room 22.

A beginners' class will be started in the winter quarter.

3. SPRING QUARTER.

Reading; composition; grammar.

(a) Miss Lombard, 3-4. Room 23.

(b) Dr. Ida Fleischer, 1-2. Room 22.

The work of this year is intended to give the student a good pronunciation and make him acquainted with the elements of the grammar and colloquial expression. The amount of matter read will approximate 250 pages and will be chosen from beginning readers and easy stories. There will be outside reading in English on subjects relating to modern Germany.

The work of the first year is preparatory and treated as follows:

Beginning work through one year, if taken here, or in an institution of equal grade is credited.

Beginning work through one year, if taken in addition to the high school work required for entrance, will be credited *only when followed by an additional year here.*

HIGH SCHOOL COURSES

4. FALL QUARTER.

Review grammar (part 1, Thomas). Reading matter chosen from such texts as Auerbach's *Brigitta*, Zschokke's *Der zerbrochene Krug*, Fulda's *Der Talisman*. Written work; conversation.

Dr. Ida Fleischer, 10-11. Room 22.

5. WINTER QUARTER.

Reading of prose continued. Seidel's *Leberecht Hühnchen*,

Riehl's *Burg Neideck*, etc. Dr. Ida Fleischer, 10-11. Room 22.

6. SPRING QUARTER.
Freytag's *Journalisten* or Lessing's *Minna von Barnhelm*; modern prose, etc. Dr. Ida Fleischer, 10-11. Room 22.

In this year the student is introduced to real literature as such, and a constant endeavor is made to cultivate a literary appreciation of the authors studied. At the same time work in grammar and composition is emphasized in order to fix thoroughly in the learner's mind the structural features of the language. Miscellaneous readings in English are continued.

7. FALL QUARTER.
Two sections.
(a) Goethe's *Tasso*; review of grammar; written work. Dr. Ida Fleischer, 9-10. Room 22.
(b) Freytag's *Soll und Haben*; Scheffel's *Trompeter von Säkkingen*, etc. Dr. Ida Fleischer, 2-3. Room 22.

8. WINTER QUARTER.
(a) Biography and travel; sight reading. Dr. Ida Fleischer, 9-10. Room 22.
(b) Current periodical literature; conversation. Dr. Ida Fleischer, 2-3. Room 22.

9. SPRING QUARTER.
(a) Current periodical literature; conversation. Dr. Ida Fleischer, 9-10. Room 22.
(b) History and scientific prose; conversation. Dr. Ida Fleischer, 2-3. Room 22.

The work of courses 7, 8, 9 is a continuation both in spirit and matter of the preceding year. Only enough grammar work is done to make the text intelligible, the emphasis of instruction being laid on extensive reading. Research work in English and German is now required.

COLLEGE COURSES

German Literature of the Nineteenth Century

10. FALL QUARTER.
Ballads and lyrics, 2 hours per week; prose composition, 2 hours. Professor Ford, 9-10. Room 50A.

11. WINTER QUARTER.
The rise of fiction; composition. Professor Ford, 9-10. Room 50A.

12. SPRING QUARTER.
German literature under the Empire; prose composition. Professor Ford, 9-10. Room 50A.
A suitable *Literaturgeschichte* will be used as an outline, illustrated by other texts, which will be studied in class. Each student will also be expected to make himself familiar with some special author whom he will read and report upon.

13. FALL QUARTER.
Lessing and his work. Professor Ford, 8-9. Room 50A.

14. WINTER QUARTER.
Goethe and his work; study of *Faust*. Professor Ford, 8-9. Room 50A

15. TEACHERS' COURSE. SPRING QUARTER.
History and methods of modern teaching. Discussion of the questions of technical grammar, etc. Professor Ford, 11-12. Room 50A.

French

HIGH SCHOOL COURSES

1. FALL QUARTER.
Pronunciation; grammar (Part I, Fraser and Squair); reading. Two sections:
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 23.

2. WINTER QUARTER.
Grammar continued; written exercises and conversation; reading.
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 22.

3. SPRING QUARTER.
Irregular verbs; written exercises; reading.
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 22.
In this year of French particular attention is paid to the matter of pronunciation and the elementary principles of the grammar and colloquial expression. From 300 to 400 pages of matter is read, chosen from such texts as Aldrich and Foster's *French Reader*, Bruno's *Le Tour de la France*, Halévy's *L'Abbé Constantin*, Dumas' *La Tulipe Noire*,

George Sand's *La Petite Fadette*, Labiche et Martin, *Le Voyage de M. Perrichon*. There will also be reading in English on subjects relating to modern France.

COLLEGE COURSES

4. FALL QUARTER.

Review of grammar; reading, with written work and conversation. Professor Ford, 11-12. Room 50A.

5. WINTER QUARTER.

Grammar; composition; reading. Professor Ford, 11-12. Room 50A.

6. SPRING QUARTER.

Syntax; composition; reading. Professor Ford, 8-9. Room 50A.

The reading of this year is taken from such texts as Mérimée's *Columba*, About's *Le Roi des Montagnes*, Sarcy's *Le Siége de Paris, Historiettes Modernes* and DeVigny's *La Canne de Jonc*, supplemented with sight reading from modern writers, and outside matter in English.

7. FALL QUARTER.

First 160 pages of Duval's *Historie de la Littérature Francaise*; Molière's *Les Femmes Savantes*; Corneille's *Polyeucte*; Racine's *Esther*. Professor Ford, 10-11. Room 50A.

8. WINTER QUARTER.

Duval's *Historie*, etc. Pages 160-263. Letters of Madame de Sévigné; Voltaire's prose. Professor Ford, 10-11. Room 50A.

9. SPRING QUARTER.

Duval's *Historie de la Littérature Francaise* concluded. Lamartine's *Scènes de la Révolution Francaise*; Hugo's *Hernani*; Musset's *Comédies*; DeVigny's *Cinq Mars*; Professor Ford, 10-11. Room 50A.

The year's work as outlined in the preceding courses is planned to give the student a systematic review of French literature since the 16th century. The main periods and authors are carefully outlined and studied, and the literary currents setting into the subsequent centuries are followed up.

10, 11, 12. FOR ADVANCED STUDENTS.

The seminar method will be pursued in these courses, and the work will embrace studies in the history and development of the French language and grammar; the French element in English, with special readings in literature.

History

PROFESSOR JULIA ANNE KING.
Miss Mary B. Putnam. Miss Bertha G. Buell.
Miss Florence Shultes.

PREPARATORY COURSES

Classes are organized each quarter in United States history and civil government for students needing elementary work in these subjects. See schedule of classes.

HIGH SCHOOL COURSES

1. General History. 36 Consecutive Weeks.
   An elective open to all students. The work is based upon a text-book. Begins the fall quarter. 10-11. Room 47. Miss Shultes.
2. History of England. 24 Weeks.
   Text-book: Andrews. Begins each quarter. 8-9 and 3-4. The second half of the course, winter and spring quarters, 8-9 and 3-4. Room 48. Miss Buell.
3. Political History of the United States. 12 Weeks.
   Course 3 presupposes Course 2, or an equivalent. Text-book: McLaughlin. Fall and Spring quarters, 9-10 Room 48. Miss Buell.

COLLEGE COURSES

(a) Courses 4, 5, 9 are arranged for students desiring but a single elective in history.

(b) Courses 5, 6, 7, 8 may be elected early in the course by specializing students.

4. Nineteenth Century. 12 Weeks.
   This course is included among those designed for students desiring a single elective in history. Text-book: West, with assigned topics for library. Winter quarter, 9-10. Room 48. Miss Buell.
5. History of Greece to the Conquest by the Romans. 12 Weeks

Text-book: West, Ancient History, with assigned reading. Fall quarter, 11-12, 2-3. Room 47. Miss Shultes.

6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.
Supplementary to Course 5. It is urged that Courses 5 and 6 follow each other in the order named. Winter quarter, 11-12, 2-3. Room 47. Miss Shultes.

7. MEDIÆVAL HISTORY OF EUROPE FROM 800 TO 1500. 12 WEEKS.
Text-book: Thatcher, with assigned reading. Spring quarter, 11-12 and 2-3. Room 47. Miss Shultes.

8. MODERN EUROPE FROM 1500-1800. 12 WEEKS.
Text-book: Schwill, with assigned reading. Fall quarter 8-9. Room 47. Miss Shultes.

9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.
This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Shultes.

10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.
This work is designed for the graduates from high schools, and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject. Fall quarter, 9-10. Room 45. Miss Putnam.

11. TEACHERS' HISTORY. 12 WEEKS.
Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and10-11. Room 49. Professor King.

12. TEACHERS' CIVICS. 12 WEEKS.
Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.

13. POLITICAL ECONOMY. 12 WEEKS.
Text-book. Supplemented by lectures, discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

14. POLITICAL SCIENCE. 12 WEEKS.
Course 14 presupposes Course 12, in which the student must have shown aptitude for the study. Lectures, with assigned topics for investigations. Spring quarter, 9-10. Room 45. Miss Putnam.

15. STUDY OF SOCIETY. 12 WEEKS.

Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written report. Spring quarter, 11-12. Room 49. Professor King.

16. INDUSTRIAL HISTORY. 12 WEEKS.

Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King.

17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 CONSECUTIVE WEEKS.

Not given in 1905-6.

Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.

The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.

Given in 1905-6.

Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

19. HISTORICAL MATERIAL. 12 WEEKS.

Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King.

20. SOCIOLOGY.

Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

21. PHILOSOPHY OF HISTORY.

Course 21 presupposes Course 11. Lectures with assigned topics for reading and discussion. Hours to be arranged with the instructor.

22. CURRENT HISTORY. 12 WEEKS.

The work takes up for research and discussion some of the important social events of the day. Spring quarter. 2-3. Room 45. Miss Putnam.

Text-book: West, Ancient History, with assigned reading. Fall quarter, 11-12, 2-3. Room 47. Miss Shultes.

6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.
Supplementary to Course 5. It is urged that Courses 5 and 6 follow each other in the order named. Winter quarter, 11-12, 2-3. Room 47. Miss Shultes.

7. MEDIÆVAL HISTORY OF EUROPE FROM 800 TO 1500. 12 WEEKS.
Text-book: Thatcher, with assigned reading. Spring quarter, 11-12 and 2-3. Room 47. Miss Shultes.

8. MODERN EUROPE FROM 1500-1800. 12 WEEKS.
Text-book: Schwill, with assigned reading. Fall quarter 8-9. Room 47. Miss Shultes.

9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.
This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Shultes.

10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.
This work is designed for the graduates from high schools, and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject. Fall quarter, 9-10. Room 45. Miss Putnam.

11. TEACHERS' HISTORY. 12 WEEKS.
Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and10-11. Room 49. Professor King.

12. TEACHERS' CIVICS. 12 WEEKS.
Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.

13. POLITICAL ECONOMY. 12 WEEKS.
Text-book. Supplemented by lectures, discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

14. POLITICAL SCIENCE. 12 WEEKS.
Course 14 presupposes Course 12, in which the [illegible] must have shown aptitude for the study. Lect[illegible] assigned topics for investigations. Sprin[illegible] Room 45. Miss Putnam.

15. STUDY OF SOCIETY. 12 WEEKS.

Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written report. Spring quarter, 11-12. Room 49. Professor King.

16. INDUSTRIAL HISTORY. 12 WEEKS.

Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King.

17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 CONSECUTIVE WEEKS.

Not given in 1905-6.

Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.

The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.

Given in 1905-6.

Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

19. HISTORICAL MATERIAL. 12 WEEKS.

Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King.

20. SOCIOLOGY.

Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

21. PHILOSOPHY OF HISTORY.

Course 21 presupposes Course 11. Lectures with assigned topics for reading and discussion. Hours to be arranged with the instructor.

22. CURRENT HISTORY. 12 WEEKS.

The work takes up for research and discussion some of the important social events of the day. Spring quarter, 2-3. Room 45. Miss Putnam.

DEGREE COURSES

Courses 4 to 10, inclusive, will not be credited on the work of the third and fourth college years.

Students specializing in history may elect from Courses 11 to 21, inclusive, for third and fourth years' work.

Students not specializing in history may elect from the courses credited on degrees any work for which they are prepared.

Courses 17 to 21 inclusive are regarded as distinctively fourth year work.

Latin and Greek

PROFESSOR BENJAMIN L. D'OOGE.

Miss Helen B. Muir. Mr. Orland O. Norris.

Latin

PREPARATORY COURSES

1. Beginners' Latin.
   Fall quarter, 2-3. Room 36. Miss Muir.
2. Beginners' Latin.
   Winter quarter, 2-3. Room 36. Miss Muir.
3. Beginners' Latin and Viri Romae, or Second Year Latin.
   Spring quarter, 2-3. Room 36. Miss Muir.

   Courses 1-3 are preparatory to all that follow, and are credited as follows:

   (a) Students who have had no Latin may begin it here, and their work will be credited on the electives of their Normal Course.

   (b) Students who have taken the first year in Latin in addition to the high school work required for entrance will receive no advance credit for the same unless it be followed by a second year here.

   Students who wish to specialize in Latin should aim to take as much Latin as possible before coming to this institution.

HIGH SCHOOL COURSES

4. Viri Romae, or Second Year Latin, and Latin Composition.
   Fall quarter, 11-12. Room 36. Miss Muir.
5. Caesar and Latin Composition.
   Winter quarter, 11-12. Room 6. Miss Muir.
6. Caesar and Latin Composition.
   Spring quarter, 11-12. Room 36. Miss Muir.

7. CICERO AND LATIN COMPOSITION.
Fall quarter, 9-10. Room 35. Mr. Norris.

8. CICERO AND LATIN COMPOSITION.
Winter quarter, 9-10. Room 35. Mr. Norris.

9. OVID.
Spring quarter, 9-10. Mr. Norris.

10. OVID.
Fall quarter, 11-12. Room 34. Professor D'Ooge.

11. VERGIL.
Winter quarter, 9-10. Room 34. Professor D'Ooge.

12. VERGIL.
Spring quarter, 9-10. Room 34. Professor D'Ooge.

COLLEGE COURSES

13. LIVY AND LATIN COMPOSITION (2 sections).
Fall quarter, 8-9 and 10-11. Room 35. Mr. Norris.

14. LIVY AND LATIN COMPOSITION (2 sections).
Winter quarter, 8-9 and 10-11. Room 35. Mr. Norris.

15. LATIN SELECTIONS.
Spring quarter, 8-9. Room 35. Mr. Norris.

16. HORACE.
Fall quarter, 8-9. Room 34. Professor D'Ooge.

17. HORACE.
Winter quarter, 8-9. Room 34. Professor D'Ooge.

18. LATIN COMEDY.
Spring quarter, 8-9. Room 34. Professor D'Ooge.

19. LATIN WRITING 1 (3 times, 12 weeks' credit).
Spring quarter, 10-11. Room 35. Mr. Norris.
This course is open to such only as have had at least four years of the language. It is designed to meet the needs of those who look forward to teaching Latin, and combines drill in the translation of connected English into idiomatic Latin with a thorough review of syntax.

20. LATIN SIGHT READING (2 times, 6 weeks' credit).
Fall quarter, 10-11. Room 34. Professor D'Ooge.
This course is open to such only as have at least three years of Latin. It affords systematic drill in the building of a vocabulary, and in the principles underlying the structure of the Latin sentence so that the peculiarities of order may become thoroughly familiar and progress in reading be easier and more rapid.

21. TEACHERS' COURSE IN CAESAR, CICERO, AND VERGIL.
Winter quarter, 11-12. Room 34. Professor D'Ooge.
This course is required of all who expect to teach Latin

and is open to such only as have had at least five years of the language. The lectures present: (1) a brief history of the Latin language and its relation to other languages; (2) the justification of Latin in the secondary school; (3) problems and methods of teaching secondary Latin; (4) pronunciation, quantity, prosody; (5) a general bibliography and a consideration of the best text-books; (6) ancient books and the general principles of textual criticism. Students who are specializing may take this course as one of the required teachers' courses.

22. HISTORICAL LATIN GRAMMAR (2 times, 6 weeks' credit).
Spring quarter, 10-11. Room 34. Professor D'Ooge.
Course 22 is open only to those who have had at least five years of Latin.

23. LATIN WRITING 2 (2 times, 6 weeks' credit).
Fall quarter, 10-11. Room 34. Professor D'Ooge.
Course 23 is an advanced course and presupposes a credit in Latin Writing 1. While the latter has most to do with matters of syntax, the former is devoted to a study of style and diction.

24. LATIN INSCRIPTIONS (2 times, 6 weeks' credit).
Spring quarter, 10-11. Room 34. Professor D'Ooge.
Course 24 is an advanced course, is conducted as a seminary, and is open only to ten students; it may be elected only by such as obtain special permission from the head of the department.

Greek

HIGH SCHOOL COURSES

1. BEGINNERS' GREEK.
Fall quarter, 8-9. Room 36. Miss Muir.

2. BEGINNERS' GREEK.
Winter quarter, 8-9. Room 36. Miss Muir.

3. BEGINNERS' GREEK AND ANABASIS.
Spring quarter, 8-9. Room 36. Miss Muir.

4. ANABASIS AND GREEK COMPOSITION.
Fall quarter, 9-10. Room 34. Professor D'Ooge.

5. ANABASIS AND GREEK COMPOSITION.
Winter quarter, 10-11. Room 35. Professor D'Ooge.

6. HOMER'S ILIAD.
Spring quarter, 11-12. Room 35. Professor D'Ooge.

The above six courses (2 years) of Greek are often taken in the preparatory work of high schools, and are therefore called High School Courses. Students, however, who have had no Greek and wish to begin it here may elect it, and it will be credited on the electives of their Normal Course.

COLLEGE COURSES

7. HOMER'S ODYSSEY.
   Fall quarter, 1-2. Room 36. Miss Muir.
8. HOMER'S ODYSSEY, LYSIAS AND GREEK COMPOSITION.
   Winter quarter, 1-2. Room 36. Miss Muir.
9. LYSIAS AND GREEK COMPOSITION.
   Spring quarter, 1-2. Room 36. Miss Muir.

No student may take up Greek who has not had at least one year of Latin. It is so important an adjunct of Latin that all who are preparing to teach the latter are strongly urged to take at least one year of Greek. A fair reading knowledge can be obtained in that time.

COURSE IN GREEK ART

1. GREEK ART AND ARCHÆOLOGY FOR BEGINNERS (2 times).
   Spring quarter, 4-5. Room 34. Professor D'Ooge.
   The course is open not only to classical students, but also to others upon special application and permission from the head of the department. The course will be given by lectures and illustrated by the stereopticon.

COURSE IN MYTHOLOGY

To meet a want that has long been manifest, the department will offer, for the first time, a twelve weeks' course in Mythology. This course will be given twice each year hereafter during the fall and winter terms, respectively. In 1905-6 the class will meet from 11 to 12 in Room 35 and be in charge of Mr. Norris. It is open not only to students of this department, but has been arranged especially for students outside of this department, particularly for such as are specializing in English or in History. For all these a good knowledge of Mythology is very essential.

PRACTICE TEACHING

Students preparing themselves for teaching Latin and Greek are given unusual advantages for practice teaching in the Training School under the supervision of a trained specialist.

CANDIDATES FOR DEGREES

Students who are candidates for degrees and are specializing in this department may elect in Greek any of the courses offered and in Latin any course above Course 6 for the work of the third or fourth college year.

Students not specializing may elect any of the work offered either in Greek or in Latin for the third or fourth college year.

Students who have finished the courses offered above and wish to continue further will be directed in their work by the head of the department.

LIBRARY AND ILLUSTRATIVE MATERIAL

The department has a well-equipped classical library of more than a thousand volumes, representing standard authorities in English, French and German. Large accessions to this collection are being made year by year, and the facilities of this nature are ample for all our purposes of study and investigation. Strong emphasis is laid upon collateral reading in connection with all classical authors. The department is also well supplied with maps, charts, and photographs, of which constant use is made, and additional illustrative material has recently been provided in the shape of a large collection of lantern slides.

Mathematics

PROFESSOR ELMER A. LYMAN.

ASSOCIATE PROFESSOR JOHN C. STONE.

MISS ADA A. NORTON. MISS KATE R. THOMPSON.

FRANK JENSEN.

PREPARATORY COURSE

1. PREPARATORY ARITHMETIC. 12 WEEKS.
   A thorough drill in the fundamental parts of arithmetic. The aim of this course is to secure rapidity and accuracy in computing. Fall and winter quarters. Room 55. Mr. Jensen.

HIGH SCHOOL COURSES

The following courses are required of all regular four years' course students:

2. ALGEBRA 1. 12 WEEKS.
   Elementary algebra through factoring. Fall and spring quarters. (Stone and Millis' Essentials.) Room 55. Miss Thompson and Mr. Jensen.
3. ALGEBRA 2. 12 WEEKS.
   A continuation of Algebra 1 through equations of the first degree with two unknown quantities. Fall and winter quarters. Room 55. Miss Thompson.
4. ALGEBRA 3. 12 WEEKS.
   A continuation of Algebra 1 and 2 to quadratic equations. Winter and spring quarters. Room 55. Miss Thompson.
5. ALGEBRA 4. 12 WEEKS.
   Algebra completed through quadratic equations. Fall and spring quarters. Room 55. Miss Thompson.
6. PLANE GEOMETRY 1. 12 WEEKS.
   An elementary course in plane geometry through rectilinear figures and the equality of polygons. Text-book·

Wells' Essentials. Fall and spring quarters. Room 55. Miss Thompson.

7. PLANE GEOMETRY 2. 12 WEEKS.
A continuation of Course 5. Fall and winter quarters. Room 55. Miss Thompson.

8. PLANE GEOMETRY 3. 12 WEEKS.
A continuation of Course 6. Room 55. Miss Thompson.

9. SOLID GEOMETRY. 12 WEEKS.
Text-book: Wells' Essentials. Room 55. Miss Thompson.

COLLEGE COURSES

Course 14 or 15 is required of all students taking the general course.

10. TEACHERS' ARITHMETIC. 12 WEEKS.
This course is carried on partly by lectures on the history and pedagogy of the subject, and partly by a review of the typical parts of the subject. This course must be preceded by all of the high school courses given above. Text-book: Beman and Smith. Offered each quarter. Room 54. Professor Lyman. Room 30, Associate Professor Stone. Room 31, Miss Norton.

11. METHODS IN ALGEBRA. 12 WEEKS.
This course covers the work in secondary schools, and is designed for teachers or those who intend to become teachers. Special attention will be paid to the history and pedagogy of the subject. Fall quarter. Room 31. Miss Norton.

12. METHODS IN GEOMETRY. 12 WEEKS.
A review of plane and solid geometry. Special attention will be paid to methods and presentation of the subject. Winter quarter. Room 54. Professor Lyman.

13. HISTORY OF MATHEMATICS. 12 WEEKS.
This course is designed to show the student how the subjects he is to teach have developed. Students have access to the large collection of books in the library. Spring quarter. Room 31. Miss Norton.

14. TRIGONOMETRY. 12 WEEKS.
An elementary course in plane and spherical trigonometry. Presupposes all high school courses. Text-book: Lyman and Goddard. Each quarter. Room 30, Associate Professor Stone. Room 31, Miss Norton.

15. HIGHER ALGEBRA 1. 12 WEEKS.
Besides giving a more comprehensive view of elementary

algebra than could be given in courses 2, 3, 4, 5, a thorough study is made of the idea of a function, the remainder theorem, symmetry, variation, the progressions, determinants and the graph. Presupposes all high school courses. Text-book: Fisher & Schwatt's Higher Algebra. Each quarter. Room 31. Miss Norton.

16. HIGHER ALGEBRA 2. 12 WEEKS.
Higher Algebra continued through the text, and additional work given on the theory of the equation. Each quarter. Room 30. Associate Professor Stone.

17. ANALYTICAL GEOMETRY. 12 WEEKS.
An elementary course in analytical geometry. Presupposes all the previous courses except 10, 11, 12 and 13. Text-book: Tanner and Allen. Fall quarter. Room 54. Professor Lyman.

18. DIFFERENTIAL CALCULUS. 12 WEEKS.
Presupposes Course 16. Text-book: Snyder and Hutchinson. Winter quarter. Room 54. Professor Lyman.

19. INTEGRAL CALCULUS. 12 WEEKS.
Text-book: Snyder and Hutchinson. Spring quarter. Room 54. Professor Lyman.

20. THEORY OF EQUATIONS. 12 WEEKS.
This course Presupposes Courses 13, 14, and 15. Text book: Burnside and Panton. Chapters I-X. Spring quarter. Room 30. Associate Professor Stone.

21. SOLID ANALYTICAL GEOMETRY. 12 WEEKS.
An elementary course in solid analytical geometry. Presupposes all of the above courses except 10, 11, 12 and 19. Room 53. Professor Lyman.

22. DIFFERENTIAL EQUATIONS, 12 WEEKS.
Text-book: Murray's Differential Equations. Room 53. Professor Lyman.

23. THEORETICAL MECHANICS. 12 WEEKS.
Text-book: Ziwet's Theoretical Mechanics. Room 53. Professor Lyman.

24. MATHEMATICAL READING. 36 WEEKS.
Room 53. Professor Lyman.

DEGREE WORK IN MATHEMATICS

The courses in Algebra 3, Plane and Solid Geometry will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect

Courses 20, 21, 22, and 23 for the third or fourth college year.

Students who are not specializing in this department may elect from Courses 10-19 inclusive for the third or fourth college year.

The course in Mathematical Reading (23), 36 weeks, is a distinctively fourth year course.

Music

PROFESSOR FREDERIC H. PEASE.

MR. MINOR E. WHITE.
MISS CAROLINE TOWNER, Substitute.
MISS CLYDE E. FOSTER. MISS RUTH PUTNAM.

HIGH SCHOOL COURSES

1. ELEMENTS OF MUSIC 1. 12 WEEKS.
   Text-book: Pease and Lawrence's Choral Instruction Course. Summer, fall and spring quarters, 9-10. Winter quarter, 10-11. Mr. White. No credit given unless followed by Elements 2.
   As the foundation of all future study is laid in this class it should be considered of more importance than any other.
   The work consists of a careful development of the science of music from the very beginning, together with practical study of sight-reading, voice and ear training.
2. ELEMENTS OF VOCAL MUSIC 2. 12 WEEKS.
   Same text-book as in 1. Summer and spring quarters, 11-12. Winter quarter, 9-10. Miss Putnam. For Elements of Music 1 and 2 a credit of 24 weeks is given .

COLLEGE COURSES

4. METHODS IN MUSIC FOR 8 GRADES. 12 WEEKS.
   Text-book: First Reader of Modern Music Series, and Rote Song Book by Ripley and Tapper. Also the Educational music course. Summer quarter, twice daily. Miss Foster. Fall quarter, 8-9, 2-3. Winter quarter, 8-9. Spring quarter, 8-9. Miss Foster.
   This is one of the regular Teachers' courses in the College, and should be taken by all Normal students. It does not presuppose a knowledge of music, except familiarity with the rudiments of music as taught in the Elements of Music class courses.
   Students in this class of twelve weeks are prepared es-

pecially for teaching singing in the eight grades. Observation of this work is made at the training school. Full credit is given.

5. THEORY OF TEACHING IN THE EIGHT GRADES WITH THE DIRECTOR OF THE CONSERVATORY.
Spring quarter, 8-9.

6. KINDERGARTEN PRIMARY MUSIC. 12 WEEKS.
Text-book: Primer of Modern Music Series. Miss Foster. Fall and winter quarters, 8-9. Miss Foster. Full credit given.

The work in this class consists of a study of the care and guidance of the young child's voice, the development of a feeling for rhythm, the training of monotones, and the manner of presenting songs to children.

A sequence of games and songs for the year is memorized, and the playing of such music as is used in the marches and games is emphasized.

7. METHODS IN HIGH SCHOOL MUSIC. 12 WEEKS.
This class is devoted largely to theory and professional work for advanced or high school grades. It is a continuation of the class in Methods for the 8 grades and of Elements 1 and 2, which precede it. Text-books: Choral Instruction Course and Choral Song Book. Spring quarter, one section, 9-10. Room 2, Conservatory. Professor Pease. 12 weeks' credit.

8. HISTORY AND LITERATURE OF MUSIC 1 AND 2. 24 WEEKS.
A course giving an outline of music and musicians, with a course of reading relating to musical literature. Text-books: Hunt's Musical History and Dickinson's Outline of History. Fall and winter quarters, 8-9. Miss Putnam.

9. DEPARTMENT TEACHING. 12 WEEKS.
Required in Public School and Music and Drawing courses. Teaching done under Miss Foster's supervision.

10. VOICE CULTURE 1. 12 WEEKS.
Summer quarter, 10-11. Miss Putnam and Professor Pease. Fall quarter, 9-10. Winter quarter, 8-9. Spring quarter, 11-12. Miss Putnam. Mr. White.

There are three classes in voice culture of one quarter each. The voice, its development, culture, resonance, permeation, together with the art of singing, including rendition, pronunciation, articulation and expression are the subjects taught, the professional instruction being dwelt

on at each point. For 24 weeks of class work 12 weeks' credit is given.

11. VOICE CULTURE 2. 12 WEEKS.
Fall quarter, 10-11. Winter quarter, 10-11. Spring quarter, 9-10. Miss Putnam, Mr. White.

12. VOICE CULTURE 3. 12 WEEKS.
Fall and winter quarters, three times a week, 10-11. Professor Pease.

13. ARTISTIC CLASS IN SINGING. 12 WEEKS.
To prepare for singing in public. It meets twice a week. Fall, winter and spring quarters, 10-11. Professor Pease.

14. HARMONY 1. 12 WEEKS.
Text-book; Skinner, Anger, Norris and York. Summer quarter, 10-11. Fall quarter, 11-12. Winter quarter, 11-12. Mr. White, Miss Putnam and Professor Pease.

The study in harmony follows that in methods in high school music, and continues through three terms. Harmony 1 is also given during the fourth term. Harmony is taught both as a science and as an art, and is made the basis for further progress in counterpoint and composition. It is also the foundation for a better understanding of instrumental music, and a help in learning to read music at sight. Full credit.

15. HARMONY 2. 12 WEEKS.
Same text as in 1. Winter quarter, 11-12. Spring quarter, 8-9. Miss Putnam, Mr. White. Full credit.

16. HARMONY 3. 12 WEEKS.
Spring quarter, 10-11. Miss Putnam and Professor Pease. Same text as in 1 and 2. 36 weeks' credit. An application of harmony study to the piano forte, and a further training in the mental conception of tones in melodies and in chords.

17. COUNTERPOINT 1. 12 WEEKS.
Text-book: Bridge, Pearce and Norris's Counterpoint. Fall quarter, 11-12. Professor Pease.

Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.

18. COUNTERPOINT 2. 12 WEEKS.
Same text-book used as for Counterpoint 1. Winter quarter, 11-12. Professor Pease.

19. COUNTERPOINT 3. 12 WEEKS.
Same text-book used as for 1 and 2. Spring quarter, 11-12. Professor Pease. Full credit.

20. FORM AND COMPOSITION 1. 12 WEEKS.
Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.
Composition is continued during the fall, winter and spring quarters, and is the practical application of the previous studies in harmony and counterpoint.

21. MUSICAL FORM AND ANALYZATION FOR SUPERVISORS.
Winter quarter, 9-10. Professor Pease.

22. FORM AND COMPOSITION 2. 12 WEEKS.
Same text-book as in 1. Winter quarter, 9-10. Professor Pease.

23. FORM AND COMPOSITION 3. 12 WEEKS.
New text-book. Spring quarter, 10-11. Professor Pease. Full credit.

Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in this department may elect courses in counterpoint, musical composition, piano, organ, violin and harmony for the third or fourth college year.

DEGREE COURSES

Harmony 1, 2 and 3.

Counterpoint 1, 2 and 3.

Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.

Natural Sciences

PROFESSOR WILLIAM H. SHERZER.

MISS JESSIE PHELPS.

MISS MARY A. GODDARD. MR. S. D. MAGERS.

Pupil Assistants—Miss Nina M. Gage, Mr. Howard C. Prine and Mr. George B. Rawdon.

The opening of the new science building greatly increases the facilities of the department and renders possible a grade of work which could not before be attempted. The laboratory courses in physiology, zoölogy, botany and geology require two hours daily, but into these two periods is intended to be brought *all* the work of the class, including preparation of notes, library assignments, reviewing for quizzes, etc. In certain indicated subjects these two periods must be consecutive. In the other laboratory classes it is very desirable that the hour preceding, or immediately following the class hour, be left open and this should be done whenever the schedule will possibly permit. Students seeking electives in the department are urged to make their selection early in the year and then note the quarter, or quarters, in which these subjects are offered. Those upon the general course are notified that their elective may be selected from any one of four lines; geology, zoölogy, botany or physiology. The particular course that it is desirable to elect will depend upon the preparation and prospective work of the student. The following are ordinarily recommended: geology, courses 17, 18, 19 or 20; botany, 4, 5 or 6; zoölogy, 9, 10 or 11; for those who have completed the course in teachers' physiology, either 14 or 15.

HIGH SCHOOL COURSES

1. PREPARATORY PHYSIOLOGY.

   This course is intended as a preparation for the teachers' course in physiology for those who enter with insufficient knowledge of laboratory methods. For graduates of high schools who have had no physiology above the grades the

course is counted as an elective and should be taken by such *special* as well as *general* students. The frog is used as a basis for the work, its various structures being dissected and its tissues examined with the microscope, in order that its physiology may be better understood. Constant reference is made to the human subject, Martin's Human Body (Briefer Course) being used as a text. Winter quarter, 10-11. Spring, 1-2. Room M. Miss Phelps.

2. STRUCTURAL BOTANY.

This course serves as an introduction to the biological sciences and should be taken by all high school graduates whose botanical work was incomplete or unsatisfactory. For such students the course counts as a regular college elective.

Plants are studied as living, working organisms and something of their importance to man is taught. Stress is placed on their life activities, and to give an understanding of how they perform their work, their gross and cellular structure are studied. Special emphasis is laid on such activities as plant respiration and starch formation, and attention is given to the part the sun's energy plays in plant life. It includes work with the compound microscope and observational and experimental work in the laboratory. Two consecutive hours. Lectures and quizzes. No text. Fall and winter quarters. Rooms F and H. 8-10 and 10-12. Miss Goddard.

3. SYSTEMATIC BOTANY.

This course aims to give the student a general view of the plant kingdom. Tpyical forms of each group of cryptogams (non-flowering plants) are studied and also of the phanerogams, or flowering plants. A study is made of the winter buds of our common trees and shrubs, noting especially their protective devices and considering their importance. This work is followed by an outdoor study of the more common forest and fruit trees. Attention is given to the morphology of the root, stem, leaf and flower, the subject of fertilization, distribution, etc. Laboratory and field work, lectures and quizzes. Two consecutive hours. Gray's Manual is used for identification. It would be well to precede this by Course 2. Spring quarter only. Rooms F and H, 10-12 and 2-4. Miss Goddard.

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COLLEGE COURSES

4. CRYPTOGAMIC BOTANY.

This is a course in the so-called flowerless plants. A series of typical forms is studied, passing from the algae to the mosses, ferns and equisetum. Special attention is given to the subject of reproduction in the different forms and to alternation of generations. Stress is laid upon the evidence of plant evolution. Laboratory work and lectures, with some field work. No text. Fall quarter only. Rooms F and G, 2-3. Miss Goddard.

5. PLANT PHYSIOLOGY.

This is a course designed to give the student an opportunity to do individual experimental work in the laboratory, in order that he may become familiar with the handling of laboratory equipment and the setting up of experiments. It deals mainly with advanced physiology, taking up problems of growth, irritability, the nature of stored food, the action of organized and unorganized ferments and the fertility of the soil. A study of cell division is made. This course should be preceded by Courses 2 and 3, or their equivalent. Students who are planning to take chemistry of common life, or other work in chemistry, will find it helpful to do so, if possible, before taking this course. Winter quarter only. Rooms F and G, 2-3. Miss Goddard.

6. PLANT ECOLOGY.

The work in this course is designed especially for those who received credit in the two elementary courses in botany on entering the Normal, but who desire an additional course to prepare them for teaching the subject. It is also a practical course for those who have taken Courses 2 and 3 in the Normal. A study of plant societies is made, grouping plants according to the amount of light and moisture they require. Attention is given to the structural adaptation to environment and to the habits of plants. Such ecological subjects as cross-pollination and seed distribution receive special attention, stress being laid on their relation to the perpetuation of species. This course will consist largely of outdoor study. A brief time toward its close will be devoted to a discussion of botanical texts and reference books and to the question of high school

courses. Spring quarter only. Rooms F and H, 7-9. Miss Goddard.

7. PLANT EMBRYOLOGY.

The development of calyx, corolla, stamens and pistils will be traced, stress being laid on the formation and growth of pollen grains and ovules. The process of fertilization and the development of the embryo will be carefully studied and explained. The work will be largely microscopical and will include some training in the making of permanent mounts showing sections of various parts of the flower. This course should be preceded by Cryptogamic Botany and Plant Physiology, or their equivalent. Spring quarter. Hours to be arranged. Room H. Miss Goddard.

8. BOTANICAL PROBLEMS.

This course is open to those who have had plant embryology. Individual problems in plant physiology, morphology or ecology will be assigned each student, the nature of the problem depending upon the materials available, the season of the year, and the student's preference. The laboratory study will be supplemented by library and field work and from time to time each member of the class will report as to methods pursued and results obtained. Hours to be arranged. Fall quarter. Room F. Miss Goddard.

9. ANIMAL STUDIES (previously called Elementary Zoölogy).

This course seeks to supplement the lecture courses in Primary and Secondary Nature Study, by giving opportunity for direct observational work on the material used in the nature study of elementary schools. It is arranged primarily for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required, and in fact it is advised that this precede or accompany the course in Primary Nature Study. Text: Jordan, Kellogg and Heath, Animal Studies. Fall and spring quarters, 3-4. Room M. Miss Phelps.

10. GENERAL ZOÖLOGY. 12 AND 24 WEEKS.

This course aims to give the beginning student in Zoölogy a general survey of the entire animal kingdom, and an

understanding of the principles of living material. Such topics as the following will be discussed and, as far as possible, illustrated in the laboratory and museum material:—(a) structure and properties of protoplasm; (b) radial and bilateral symmetry; (c) mimicry; (d) economic adaptations; (e) biogenetic law; (f) heredity; (g) evolution; etc. The usual amount of laboratory work upon the more important forms will be given. The full course will extend throughout two quarters, but the first quarter's work may be elected as General Zoölogy 1 without reference to the second quarter and will receive twelve weeks' credit. The second quarter's work, however, must be preceded by the first, or its equivalent. Text: Orton-Dodge, General Zoölogy.

General Zoölogy 1 requires two consecutive hours. Fall quarter, 1-3. Room M. General Zoölogy 2, winter quarter, 1-2. Room M. Miss Phelps.

11. VERTEBRATE STRUCTURES.

This is a course in the dissection of a small mammal, and a bird, and is designed for specializing students of physiology, physical culture or zoölogy. Especial emphasis will be put upon the structure of the nervous, respiratory, circulatory, and muscular systems, and their function and adaptations. The course is open to those who have had General Zoölogy 1 and 2, or an equivalent. Spring quarter, 2-3. Room M. Miss Phelps.

12. SPECIAL STUDIES IN ZOÖLOGY.

An opportunity is here offered to students showing aptitude for the natural sciences to do individual work in the field, and laboratory, and library with problems relating to industrial zoölogy; animal ecology; animal psychology; manipulation of laboratory and museum material; etc; or, if students seeking degree courses the work will be made to consist of the microscopic study of tissues (histology) or of the development of organs (embryology). Fall and spring quarters. Hours to be arranged. Room M. Miss Phelps.

13. TEACHERS' PHYSIOLOGY.

While this course is intended primarily as a preparation for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is

supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Offered each quarter. Room K. Mr. Magers. Fall; 10-11, 2-3 and 3-4. Winter and spring, 2-3 and 3-4.

14. ADVANCED PHYSIOLOGY.

A course for students who have completed the Teachers' Physiology and have had such training in physics and chemistry as will enable them to set up apparatus and perform experiments demonstrating the causes of physiological phenomena. It will include the usual laboratory experiments showing the action of nerve, muscle and blood tissues, the circulatory, respiratory and digestive organs. Especial laboratory study will be made of the organs of the special senses, not only with a view to determine their structure, functions and hygiene, but also methods of ascertaining the nature and extent of defects in these organs. The Training School will afford excellent opportunities for making such examinations and keeping the records showing the effects of these deficiencies on school work. An aid to child study.

The course will include six hours' laboratory work and two hours' class work per week. Winter term, 10-12. Room L. Mr. Magers.

15. BACTERIOLOGY.

While this course is designed especially for students taking the special course in Domestic Science, it is believed that it will prove to be of interest to others. Emphasis is placed on the study of the nature and cultural effects of those bacteria that affect the home; the nature, action and uses of the cultivated yeasts, and their relation to the "wild" yeasts, together with the modes of culture and destruction of the molds that are a source of annoyance in the home. The course will be given by means of lectures, recitations and laboratory practice. Spring quarter, 10-12. Rooms K and L. Mr. Magers.

16. PRIMARY NATURE STUDY.

This course is designed for those who will teach in the elementary schools, or who will supervise such teaching. It is very largely a lecture course. The principles of natural selection and the doctrine of evolution are discussed as they relate to plants, animals and the child. The purposes of nature study, the principles of method and a detailed primary course are presented as far as time permits. Devices for the keeping of live material in the school room are exhibited in operation and described. Each quarter, with an abridged course during the summer session. Room K, 8-9 and 9-10. Professor Sherzer.

17. MINERALS AND ROCKS.

This is a practical course in the study of our common minerals and rocks. Blowpipe methods and simple chemical manipulation are taught. Especial attention is given to Michigan minerals, their occurrence, formation and economic importance. An elementary knowledge of chemistry will be found helpful. Fall quarter only, with an abridged course during the summer session. Rooms A and C, 10-11. Professor Sherzer.

18. DYNAMICAL GEOLOGY.

This course is intended to give some idea of the agencies which have determined the shape and character of the earth's surface, and which are still at work in modifying it. These are classified under the following heads: Atmospheric, aqueous, organic and igneous agencies. The work consists of recitations, reports upon special topics, lectures and field lessons. The lantern and collection of photographs are made much use of throughout the course. Brigham's Geology is used as a text. Winter quarter only. Room A, 10-11. Professor Sherzer.

19. HISTORICAL GEOLOGY.

A close study of the evolution of the earth and its inhabitants by means of lectures, reading, recitations and museum work upon fossil forms. Previous work in botany, zoölogy and dynamical geology is desirable. The geological column is taken up in order and brought down to the historic period. The character of the rocks is studied, thickness, home and foreign localities, their teachings, economic products and forms of life. Especial attention is given to the structure of our own state, a geological

map and sections being prepared by each student. Spring quarter only. Rooms A and C, 10-11. Professor Sherzer.

20. GLACIAL GEOLOGY.

In this course there is attempted a detailed study of the formation, distribution, structure, characteristics and geological activity of existing glaciers and ice sheets. The direct and indirect effects of the great ice movements across the State of Michigan are carefully studied, and the moraines, ancient beaches and glacial lakes are mapped. An effort is made to have the pupil appreciate as fully as possible the extent to which this glacial history still affects the lives of Michigan people. Lectures, library and laboratory work with field observations. The course should be preceded by dynamical geology and a year's work in physics. Spring quarter. Room A, 10-11. Professor Sherzer.

21. PALAEONTOLOGY.

This is a practical laboratory and museum course upon the more important types of animals and plants which have characterized the various ages of the world's history. The various methods of preparing such material for external and internal study will be learned, and some practice had in collecting fossils from such localities as can be reached by the student. Hours to be arranged. The course must be preceded by at least a year's work in geology, zoölogy and botany. Rooms B and C. Hours to be arranged. Fall quarter. Professor Sherzer.

22. DEPARTMENT TEACHING.

The opportunity is offered to a limited number who are looking forward to high school work, to assist in the management of some of the regular laboratory classes. Each such pupil gains experience in giving individual assistance in the laboratory, in the inspection of notes and drawings, the collection and preparation of material, the setting up of experiments, and the presentation to the class of certain selected topics. Opportunity is afforded a few to teach regularly in the high school classes of the Training School.

23. BIRD AND TREE CLUB.

Students, especially those doing work in the department, who are interested in out-of-door study, are invited to join the Saturday excursions. Number limited to twenty. No

16. P[illegible]

17.

18.

credit. Spring and fall quarters, beginning fall of 1905. Miss Phelps and Miss Goddard.

DEGREE COURSES

For work of the last two college years the courses in preparatory physiology, structural and systematic botany, animal forms, primary nature study and teachers' physiology are not accepted. Special students in the department may elect any of the other courses which have not already been used in securing their life certificates. General students may also elect from this list upon the advice of the head of the department. Courses 7, 12, and 21 are especially intended for advanced students who have had the requisite amount of preparatory work. Those desiring these courses should confer with the teacher in charge as early as posible.

SPECIAL STUDENTS

Students of special aptitude in the natural sciences and with some successful experience in teaching are invited to make application for enrollment as special students of the department, after one or more subjects have been completed. A limited number of such students will be accepted, only as many as there is reasonable hope of locating in our Michigan high schools.

The Gymnasium

Physical Education

The courses offered in this department constitute two groups:

(a) Practical Courses. Here classes for men and women are separate, special suits are required, and no credit is given.

(b) Professional Courses, consisting of lectures, recitations, etc., open to both men and women, and credited as in case of any academic subject.

MEN'S DEPARTMENT

PROFESSOR WILBUR P. BOWEN.

Four terms of practical work are required of all students before graduation. Physical Training 1 must be taken by all. The three other courses required may be chosen from the nine terms of practical work offered, subject to the approval of the director.

Regular attendance is as essential as in other college work. Those doing gymnasium work wear a regulation suit. The suit, costing $3.00 to $5.00, involves the only expense demanded by the practical work.

Each student is examined on beginning practical work, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability.

Those excused observe the work of the classes and are held responsible for an acquaintance with the exercises for purposes of teaching.

1. PHYSICAL TRAINING 1, FOR MEN. 12 WEEKS.
   Course 1 is required of all students. Elementary Swedish gymnastics, gymnastic games, and military marching. Lectures on personal hygiene. Winter quarter, 3-4. Professor Bowen.

2. PHYSICAL TRAINING 2 FOR MEN. 12 WEEKS.
   Course 2 presupposes Course 1. Dumb-bell and wand exer-

cises. Track and field events. Lectures on personal hygiene. Spring quarter, 4-5. Professor Bowen.

3. PHYSICAL TRAINING 3, FOR MEN. 12 WEEKS.
   Indian club exercises and marching. Spring quarter, 3-4. Professor Bowen.
4. PHYSICAL TRAINING 4, FOR MEN. 12 WEEKS.
   Work on apparatus, including pulleys, horizontal bar, parallel bars, climbing apparatus, ladders, horse, flying rings, traveling rings, and tumbling. Lectures on bodily development. The work is largely individual and not limited to any definite grade, so that the course may be repeated with profit. Fall, winter and spring quarters, 11-12. Professor Bowen.

Athletics.

This work, conducted by Professor Bowen and his assistants, is intended to give prospective teachers systematic instruction in this branch of Physical Education, looking towards the supervision of such work in schools. Each course is accompanied by lectures on professional and practical phases of the subject.

1. Football. Fall quarter, 4-6.
2. Basket Ball. Winter quarter, 4-6.
3. Base Ball. Spring quarter, 4-6.
4. Track and Field Events. Winter and Spring.
5. Tennis. Fall and Spring.

WOMEN'S DEPARTMENT

MRS. FANNIE CHEEVER BURTON.

MISS INEZ CLARK.

MISS EDNA O'DELL.

Four terms of practical work are required of all students before graduation. This includes the first three courses, together with Course 4, 5 or 6 at student's option. For the three years' certificate the first three courses are required.

All students doing practical work are required to wear the regulation suit and attend classes regularly. This suit, costing about $5.00, includes all the expense demanded by the practical work. (Students find it less expensive and more desirable to secure suits after reaching here.)

Each student is examined before beginning work, to ascertain her special deficiencies and needs, as regards development,

and a medical examination is also given, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability. Those thus excused observe the work of the class, and are held responsible for acquaintance with the work.

1. PHYSICAL TRAINING 1. 12 WEEKS.
   Course 1 is required of all students. Elementary Swedish gymnastics and gymnastic games, with lectures on posture, personal hygiene and Swedish gymnastics.
   Summer quarter, 10-11. Mrs. Burton.
   Fall quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss O'Dell.
   Winter quarter, 4-5. Miss Clark.
2. PHYSICAL TRAINING 2. 12 WEEKS.
   Course 2 presupposes Course 1. Wand and dumb-bell exercises, marching, running and basket ball.
   Winter quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss O'Dell.
   Spring quarter, 4-5. Miss Clark.
3. PHYSICAL TRAINING 3. 12 WEEKS.
   Course 3 presupposes Course 1 and preferably Course 2. Indian club exercises with individual assigned work on apparatus, fancy steps and basket ball.
   Spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss O'Dell.
   Fall quarter, 4-5. Miss Clark.
   Winter quarter, 11-12. Miss Clark.
   When Courses 1 and 2 and 3 are finished, Courses 4, 5 and 6 may be taken in any order.
4. PHYSICAL TRAINING 4. 12 WEEKS.
   Advanced work in Swedish gymnastics, hand rings, fancy steps and basket ball, with lectures on progression in Swedish gymnastics, arrangement of lessons, manner of teaching, etc., and practice in teaching exercises to individuals and small squads.
   Summer quarter, 11-12. Mrs. Burton.
   Fall quarter, 11-12, 2-3. Mrs. Burton.
5. PHYSICAL TRAINING 5. 12 WEEKS.
   Indian clubs, dumb-bells, bounding balls and professional training in the teaching of the same.
   Winter quarter, 11-12, 2-3. Mrs. Burton.

6. PHYSICAL TRAINING 6. 12 WEEKS.
Grace hoops, wands, Indian clubs and military marching, and professional training in the teaching of the same.
Spring quarter, 11-12, 2-3. Mrs. Burton.

7. PHYSICAL TRAINING 7, 8 AND 9. 12 WEEKS.
Advanced military marching, æsthetic gymnastics, minuets and fancy club swinging.
The work is varied to meet the needs of the classes.
Fall, winter and spring quarters, 4-5. Mrs. Burton.
These advanced courses are open only to those who have had two years' work, or, having done especially strong work for a shorter time, are permitted to do so by the director.

Public School Gymnastics

Offered especially for teachers who desire to get a variety of work without special attention to personal benefit.

Wands, dumb-bells, marching, fancy steps, grace hoops, bounding balls, small rings. Summer quarter, 10-11, 11-12. Mrs. Burton and Miss Clark.

PROFESSIONAL COURSES

1. TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.
The place of Physical Training in Education, the leading systems, plays and games, corrective exercises, general effects of exercise, the selection of exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.

2. PHYSIOLOGY OF EXERCISE. 12 WEEKS.
Lectures, laboratory work, and reading upon the following subjects: Mechanics of Bodily Movement, Properties of Muscle and Nerve, Effects of Exercise, Special Problems in Physical Education. Winter quarter. Professor Bowen.

3. HISTORY AND LITERATURE OF PHYSICAL EDUCATION. 12 WEEKS.
Spring quarter. Professor Bowen.

4. TEACHING. 12 WEEKS.
Professor Bowen or Mrs. Burton.

DEGREE WORK IN PHYSICAL EDUCATION

Practical Courses in Physical Training will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect professional courses 1, 2 and 3 for the third or fourth college year.

The Physical Sciences

PROFESSOR E. A. STRONG.

MR. FRED R. GORTON. MR. B. W. PEET.

MR. S. R. WILSON.

HIGH SCHOOL COURSES

All rooms in Science Building.

1. PREPARATORY COURSE.

   If called for by a sufficient number of pupils a course in eleventh grade and rural school physics will be given for the benefit of students who wish to prepare for examination or to review the subject. Geometry is not required. Winter quarter. Professor Strong. First hour, daily. Room 1.

2. PHYSICS 1.

   A demonstrative and laboratory course in the mechanics of solids and fluids. This is the fundamental subject in Physics and should be taken by all who have not had a year's work in Physics in a good high school following the completion of Algebra and Geometry and with full laboratory practice. Follows geometry. An elementary knowledge of trigonometry is desirable. Fall and winter quarters. Professor Strong. First and second hours. Daily the first hour and Mondays and Wednesdays the second hour. Rooms 6 and 11.

3 PHYSICS 2.

   An elementary course in sound, heat and light, with abundant demonstrative and laboratory work. Like the preceding course, it uses the graphical method freely, and employs the processes of algebra and geometry constantly. Follows Course 1 or 3. Fall and winter quarters. Daily the first hour, and Mondays and Wednesdays the second hour. Mr. Gorton. Rooms 6 and 11.

4. PHYSICS 3.
Magnetism and electricity. A full demonstrative course, with students' table work, mainly in electrical measurements. Follows Courses 1 or 2 above. Mr. Gorton. Room 6. Winter and spring quarters. Daily the third hour and Tuesdays and Thursdays the second hour.

5. CHEMISTRY OF COMMON LIFE.
A brief popular course in the elements of inorganic and organic chemistry for the benefit of teachers in the grades who are not able to take more extended work. It is also designed for those students who desire to understand chemical allusions in other subjects of study, and to know something of the chemistry of daily life. No previous knowledge of chemistry is necessary. Those students desiring a somewhat complete course in chemistry should elect Chemistry 1, 2 and 3. Room 14. Mr. Peet. Winter term. First hour daily and laboratory practice.

6. CHEMISTRY 1.
A study of the non-metals, hydrogen, oxygen, nitrogen, chlorine and their principal compounds; the gas laws and laws of chemical action; atomic theory, and the chemical equation. Lectures, with laboratory and text-book work. The laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Fall term. Sixth hour and laboratory practice. Mr. Peet and Mr. Wilson.

7. CHEMISTRY 2.
A study of the element carbon, some of the simpler compounds of carbon, molecular formulas, valence, periodic law, chlorine group, sulphur, nitrogen group, carbon group, dissociation theory, with a few lessons in organic chemistry. It is a continuation of Chemistry 1, and completes the study of the non-metals. The additional laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Winter term. Sixth hour. Mr. Peet and Mr. Wilson.

COLLEGE COURSES

8. GENERAL ASTRONOMY.
This has reference to teachers who desire to prepare to teach nature-study in the grades. Three days a week, with abundant laboratory and observatory practice. The course is mainly a practical one, but incidentally a small text-book is mastered, and the history and literature of the subject

entered upon. Fall and spring terms. Professor Strong. Seventh hour. Rooms 1 and 25.

9. CHEMISTRY 3.

A study of the metals, largely a laboratory course, requiring two hours' work daily and instruction twice a week. After the student has determined in the laboratory the characteristic properties of a few of the metals, he devises a scheme for their separation, and uses this scheme in the analysis of "unknowns." This plan is continued until all the common metals are studied, their characteristic properties determined, and a complete table of analysis compiled. In connection with this work, instruction is given in the metallurgy of the common ores. Graduates of approved schools may elect this course. Rooms 14 and 18. Fall term, third hour, and spring term sixth hour. Mr. Peet and Mr. Wilson.

10. CHEMISTRY 4. QUALITATIVE ANALYSIS.

This is a study of the analysis of the common metals. It begins with work on blowpipe analysis, a review of the table of the separation of the metals and a study of the characteristic properties of the acids. This is followed by the analysis of "unknowns." The modern theory of ionic dissociation is taught and used in connection with the reactions involved in the student's laboratory work. It is a laboratory course calling for two hours' work daily. Rooms 13, 14 and 16. Winter term. Third hour and laboratory work. Mr. Peet and Mr. Wilson.

11. CHEMISTRY 5. QUANTITATIVE ANALYSIS.

This is a laboratory course requiring two hours' work daily. The class also meets twice a week for quiz and instruction. The work is both gravimetric and volumetric, the gravimetric portion including the determination, in simple compounds, of the common metals and acid anhydrides, and the volumetric work including the preparation of standard solutions, the determination by alkalimetry of a few of the common acids and alkalies, and the determination of the elements, iron, calcium and iodine by methods of oxidation and reduction. Students get practical work in making up solutions for the laboratory.

Spring term. Third hour and laboratory work. Mr. Peet. Room as above.

12. CHEMISTRY 6. ORGANIC CHEMISTRY.

Follows Chemistry 1, 2 and 3. May be taken by students

who have had a year of inorganic chemistry in a high school with full laboratory work. Embraces the study of the carbon compounds and of the more important and interesting products of plants and animals. Fall term. Room as above. Mr. Peet. First hour.

13. CHEMISTRY 7. ELEMENTARY THEORETICAL AND PHYSICAL CHEMISTRY.
This course must be preceded by Chemistry 1, 2, 3 and 4. The fundamental laws and theories of chemistry are discussed and laboratory determinations made of molecular weights by standard methods. Spring term. First hour and laboratory work. Mr. Peet. Rooms as above.

14. PHYSICS 4, OR ADVANCED PHYSICS 1.
Electricity and magnetism. An advanced course in which the history of electrical theory and electrical discovery are strongly emphasized. Follows Physics 1, 2 and 3, or an approved course in a high school. Also follows or is concurrent with trigonometry. Fall term. Second hour. Four times a week. Mr. Gorton. Rooms 1 and 3.

15. PHYSICS 5, OR ADVANCED PHYSICS 2.
A demonstrative and mathematical course in advanced mechanics. Follows Physics 1, 2 and 3, or an equivalent high school course, and a good course in trigonometry. Calculus also useful. Winter term. Professor Strong. Fourth hour. Rooms 1 and 3.

16. PHYSICS 6, OR ADVANCED PHYSICS 3.
Sequence as in the preceding case. An advanced demonstrative course in acoustics and optics. Spring term. Professor Strong. Fourth hour. Rooms 1 and 3.

17. ADVANCED ASTRONOMY, OR ASTRONOMY 2.
A course in mathematical and instrumental astronomy, mainly practical, in which an attempt is made to gain a somewhat expert use of the sextant, equatorial and astronomical transit. Requires Astronomy 1, or an equivalent high school course, and plane and spherical trigonometry. Winter or spring term. Twice a week with additional laboratory and observatory practice. Professor Strong. Rooms 24 and 26.

18. METHOD IN PHYSICS.
A course designed to prepare students for teaching the physical sciences in the grades and in the smaller high schools. Has special reference to the fundamental science,

physics, which will be reviewed and cast into form for best presentation. Much attention will be given to simplified and improved forms of apparatus and to laboratory work in general. Follows Psychology and Physics 1, 2, and 3. Fall and spring quarters. Professor Strong. Room 1. Second hour.

19. PHYSICAL LABORATORY PRACTICE.
A practical teachers' course in the laboratory method and laboratory appliances. It is also used as a review course in physics for those who need such a review and a laboratory course for those who have had a good text-book course but inadequate laboratory facilities. Follows Physics 1, 2 and 3. Daily. Every term. Mr. Gorton. Room 11.

20. ADVANCED LABORATORY PRACTICE.
Should be taken instead of the preceding by those who have had or are taking Advanced Physics. Mainly a practical course, with lectures upon the laboratory method. Spring or winter term, alternating with Advanced Astronomy. Daily. Professor Strong. Room 3.

21. PHYSICAL TECHNICS, OR LABORATORY ECONOMY.
A course in the installation of laboratories and laboratory equipment. Lectures and practical work in making, selecting, testing and repairing apparatus. Includes also brief courses in manifolding, glass working, blue printing, lanterning and the manufacture of apparatus. Follows, or may be taken along with, chemistry and advanced physics. Fall term. Daily. Professor Strong. Rooms 11 and 12.

22. ACOUSTICS.
A special course in the physical basis of sound, with special reference to those who are carrying forward studies in music, using Zahm's Sound and Music or some equivalent author. Preferably to follow Physics 1, 2, and 3, but may be taken by any persons of maturity. Winter quarter. Mr. Gorton.

23. ADVANCED THEORETICAL OPTICS.
Drude's Theory of Optics, or an equivalent. Requires Courses 6, 7 and 8 above; also a knowledge of calculus. Winter term. Professor Strong.

24. ADVANCED PRACTICAL OPTICS.
This course may be taken instead of the preceding by those who are prepared for it. Mann's Advanced Optics

will be used with Drude as a reference book. Professor Strong. Winter term.

Students wishing to specialize in this department will arrange their work during the junior year with the head of the department. In case physics and chemistry have been completed in an approved high school course, the following subjects will be required: Advanced Physics 1, 2 and 3; Chemistry 3, 4 and 5, 6 or 7; General Astronomy; Advanced Laboratory Practice; Method in Physics; and three subjects to be assigned by the head of the Department. In case physics and chemistry have not been completed the patron will arrange the work of the candidate so as to include as much as possible of the above named work.

DEGREE COURSES

If the degree student is not a specialist in this department any courses from 8 to 24, inclusive, may be taken except Courses 18, 19 and 21. In some cases Courses 6 and 7 might be permitted, but not Course 5.

If the student is a specialist in this department he may elect the required mathematics and any of the following: 12, 13, 17, 22, 23, 24.

For the A.B. specialist his elections must be confined to 12, 13, 17, 23 and 24.

Psychology and Education

PSYCHOLOGY AND PEDAGOGY

PROFESSOR DANIEL PUTNAM, EMERITUS PROFESSOR.

PROFESSOR SAMUEL B. LAIRD.
Assisted by PROFESSOR DIMON H. ROBERTS,
PROFESSOR CHARLES O. HOYT.
and PROFESSOR N. A. HARVEY.

COLLEGE COURSES

1. PSYCHOLOGY 1. 12 WEEKS. (REQUIRED.)
   Elementary work. Texts: Titchener's Primer of Psychology, Putnam's Text-book of Psychology. Fall, spring and summer quarters, 8-9, 9-10, 10-11, 11-12. Rooms 25, 26, 27. Dr. Putnam, Professor Laird, Professor Hoyt, Professor Harvey.
2. PSYCHOLOGY 2. 12 WEEKS. (REQUIRED).
   Complete text, besides taking the following subjects in child study: Hygiene of special senses, nervousness, fatigue, sensory and motor training and adolescence. Texts: Titchener's Primer of Psychology, Putnam's Text-book of Psychology, Rowe's Physical Nature of Child. Fall and winter quarters, 8-9, 9-10, 10-11, 11-12. Rooms 25, 26. Professor Laird, Professor Hoyt, Professor Harvey.
3. GENERAL METHOD. 12 WEEKS. (REQUIRED.)
   Must be preceded by Psychology 1 and 2. The purpose of this course is to give as broad a knowledge as possible of the fundamental principles of teaching. Especial attention is given to the following subjects: The various aims and meaning of education; educational values and the common school course; a careful investigation of the principle of apperception and its application to school-room instruction; a study of interest and its educational value; investigation and discussion of the various theories of concentration; the "culture epoch" theory in its relation to inter-

est and concentration, with criticisms; a critical study of the inductive-deductive process of teaching; promotion and grading. Fall quarter, 8-9. Winter quarter, 8-9. Spring quarter, 8-9, 9-10, 10-11, 11-12. Professor Roberts, Professor Laird, Professor Hoyt and Professor Harvey.

DEGREE COURSES

4. ADVANCED PSYCHOLOGY. 12 WEEKS. (REQUIRED.)
The purpose of this course is to do intensive work in some subjects not fully treated in Courses 1 and 2. Prescribed reading and reports thereon will supplement the work of some good text.
Fall quarter, 8-9. Room 25. Professor Laird.

5. LOGIC. 12 WEEKS. (REQUIRED.)
The principles of this subject as discussed in Creighton's Introductory Logic will be the basis of our work. The principles of the science will be applied in a practical manner to examples taken from Argumentative discourse.
Winter quarter, 8-9. Room 25. Professor Laird.

Candidates for the degree of B.Pd. must take Courses 4 and 5. Courses 1 and 2 will not be credited on work of third or fourth year.

SCIENCE AND HISTORY OF EDUCATION

PROFESSOR C. O. HOYT.

COLLEGE COURSES.

1. HISTORY OF EDUCATION 1. 12 WEEKS.
A study of pre-Christian education. Special emphasis will be given to Grecian and Roman education. Text: Cubberley's Syllabus, Part I. Spring quarter, 8-9. Room 26. Professor Hoyt.

2. HISTORY OF EDUCATION 2. 12 WEEKS.
The history of modern education from Comenius to the present. Text: Cubberley's Syllabus, Part II. Fall, winter and spring quarters, 8-9, 9-10, 10-11. Room 26. Professor Hoyt.

The requirements of this department, for the Life Certificate, are one course in History of Education. Either of the above courses may be selected. It must be preceded, however, by psychology and general method.

3. HISTORY OF EDUCATION 3. 12 WEEKS.
A study of the development and organization of a School System of the United States and of the history and problems of supervision. (1) The qualifications of the superintendent; (2) his relations and functions. Spring quarter, 10-11. Room 26. Professor Hoyt.

4. HISTORY OF EDUCATION 4. 12 WEEKS.
A critical study of educational classics. Work will be selected from The Great Didactic, The Emile, Leonard and Gertrude, Education of Man, Spencer on Education, Herbart's Lectures and others. Spring quarter, 11-12. Room 26. Professor Hoyt.

Courses 3 and 4 may be applied for the Life Certificate or counted as required work for the third college year, but must be preceded by Course 2.

DEGREE COURSES.

5. PHILOSOPHY OF EDUCATION. 12 WEEKS.
Required work for the third college year.
A consideration of some of the fundamental problems of education in their relation to civilization. Text: Horne's Philosophy of Education. Spring quarter, 3-4. Room 26. Professor Hoyt.

7. INTRODUCTION TO PHILOSOPHY. 12 WEEKS.
Required work for the fourth college year.
A historical study of fundamental philosophical problems. Text: Paulsen's Introduction to Philosophy. Fall quarter, 3-4. Room 26. Professor Hoyt.

8. HISTORY OF PHILOSOPHY. 24 WEEKS.
An elective course for the fourth college year. Text: Falckenberg's History of Modern Philosophy. Winter and spring quarters. Room 26. Professor Hoyt.

est and concentration, with criticisms; a critical study of the inductive-deductive process of teaching; promotion and grading. Fall quarter, 8-9. Winter quarter, 8-9. Spring quarter, 8-9, 9-10, 10-11, 11-12. Professor Roberts, Professor Laird, Professor Hoyt and Professor Harvey.

DEGREE COURSES

4. ADVANCED PSYCHOLOGY. 12 WEEKS. (REQUIRED.)
The purpose of this course is to do intensive work in some subjects not fully treated in Courses 1 and 2. Prescribed reading and reports thereon will supplement the work of some good text.
Fall quarter, 8-9. Room 25. Professor Laird.

5. LOGIC. 12 WEEKS. (REQUIRED.)
The principles of this subject as discussed in Creighton's Introductory Logic will be the basis of our work. The principles of the science will be applied in a practical manner to examples taken from Argumentative discourse. Winter quarter, 8-9. Room 25. Professor Laird.

Candidates for the degree of B.Pd. must take Courses 4 and 5. Courses 1 and 2 will not be credited on work of third or fourth year.

SCIENCE AND HISTORY OF EDUCATION

PROFESSOR C. O. HOYT.

COLLEGE COURSES.

1. HISTORY OF EDUCATION 1. 12 WEEKS.
A study of pre-Christian education. Special emphasis will be given to Grecian and Roman education. Text: Cubberley's Syllabus, Part I. Spring quarter, 8-9. Room 26. Professor Hoyt.

2. HISTORY OF EDUCATION 2. 12 WEEKS.
The history of modern education from Comenius to the present. Text: Cubberley's Syllabus, Part II. Fall, winter and spring quarters, 8-9, 9-10, 10-11. Room 26. Professor Hoyt.

The requirements of this department, for the Life Certificate, are one course in History of Education. Either of the above courses may be selected. It must be preceded, however, by psychology and general method.

selections from the best literature, and, through stimulating the thinking process, to make the thought and feeling dominate voice and action.

Fall quarter, 1-2. Winter and spring quarters, 2-3. Room 51. Miss Master.

5. ORATORY.

Study of masterpiece orations, theory of the oration and sources of the orator's power, writing and delivering of one oration, and recitation of standard selections.

Spring quarter, 2-3. Room 51. Professor Lathers.

6. SHAKESPEAREAN READING.

Study of the principles of Shakespeare's versification, and an examination of the plots and characters of the drama as they bear upon the vocal expression of the selections. Studies will be made of passages from Hamlet, Macbeth, Julius Caesar, Merchant of Venice, and Midsummer Night's Dream.

Fall, winter and spring quarters, 10-11. Room 51. Professor Lathers or Miss Master.

DEGREE WORK IN READING AND ORATORY

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Students specializing in this department should complete all of the above courses before the third college year.

Students not specializing in this department may elect Courses 3, 4, 5 and 6 in the third college year.

Reading and Oratory

PROFESSOR J. STUART LATHERS.

MISS MARY M. MASTER.

The work of the literary societies and debating clubs is done under the direction of the head of this department.

Specializing courses in this department are offered in connections with either the English department or the department of Physical Training.

PREPARATORY COURSE

1. READING AND ORTHOEPY.

   A study of the correct use of diacritical marks and the intelligent use of the dictionary, with practice in oral reading.

   Fall, winter and spring quarters, 2-3. Room 51. Miss Master.

COLLEGE COURSES

2. TEACHERS' READING.

   The aim of this course is preparation for the teaching of reading. It consists of a study of the elements of vocal expression, and the steps essential to a systematic course of reading in the grades.

   Fall, winter and spring quarters; three sections: 9-10, 10-11, 11-12. Room 51. Professor Lathers and Miss Master.

3. ELOCUTION 1.

   Vocal exercises; study of sources of power in speaking and of the vocal elements, quality, force, time, and pitch; preparation and delivering of class selections.

   Fall, winter and spring quarters, 11-12. Room 51. Miss Master.

4. ELOCUTION 2.

   Study of vocal technique and expression through action. This course aims to make a careful literary analysis of

and a training school. An attempt is made to keep abreast of the times in all that pertains to the interests of the children who constitute the school. Special attention is given to planning and execution, the keeping of school records, and the general management of a grade room. All work is done under the immediate supervision of expert training teachers and under the general direction of the superintendent, who is the executive of the department.

The course of study is continuous through kindergarten, primary, intermediate and grammar grades, and the first two years of high school work, making it possible for Training School pupils to enter the regular four years' life certificate course (see page 46).

While the school was established primarily for the purpose of training teachers, yet the principle is maintained that the interests of the pupil are the most important consideration; and it is believed that whatever advances the well-being of the child best serves the purpose for which the school was created.

The pupils enrolled come from the city and surrounding country. Tuition is free to all, and the school is gradually working toward the free text-book system. At present nearly all supplies are furnished in the lower grades; and, in the higher grades, pupils are required to furnish only such books as represent the more formal work.

All applications for admission of new pupils should be made at the office of the superintendent. Those entering from other schools will facilitate matters by bringing with them letters of transfer, records, or promotion cards.

Children are admitted to the kindergarten between the ages of four and six years, but may not be admitted to the first grade before the age of six. Promotion will take place regularly three times a year at the opening of each school term, thus making it possible to begin the work of a grade in September, January and April. By this plan the system of promotion is made more flexible, inasmuch as each grade contains three sections separated from one another in time by one-third of the school year.

STUDENT TEACHING

All work in observation and student teaching must be done during the second year of the life certificate course, except in the case of those who are to take a limited certificate. Under the latter condition the Training School practice and observation may be made a part of the last full quarter's work.

Under the present arrangement of the college year the teaching quarters will be the fall, the winter, and the spring. *Carefully note the following*:

1. All students must have completed the courses in psychology, 1, 2, and general method before entering upon the work of this department.

2. At least three of the fundamental teachers' courses in the common branches must be successfully passed, *and all conditions and failures in academic or professional subjects vital to success must be removed before students are admitted for observation or teaching in the training school.*

3. Students are not permitted to take more than two subjects in college in addition to the regular training school work.

4. The number of student teachers doing work in the department during any one quarter will be limited approximately to one-third the membership of the senior class.

5. The amount of teaching and observation required will be two hours per day, during one quarter. Each of the hours in the training school counts the same as an academic subject and is entitled to as much time for outside preparation.

6. All assignments for work in the training department and changes in the same are made by the superintendent.

7. By special arrangement with the superintendent and the head of any college department students may elect one-half of their teaching in the preparatory department.

8. All students classifying for work in the training school must reserve the hour from 3 to 4 for criticism.

9. The work in the training school consists of teaching, observation, making subject and lesson plans, assisting the critic teachers in various ways, making written reports, attending critic and general meetings, and becoming familiar with the course of study and workings of the school.

HOURS FOR TEACHING

The hours in the training school are from 8:30 to 11 for the kindergarten, first and second grades; from 8:30 to 11:30 for the other grades; and from 8:00 to 11:00 for the High School. In the afternoon all grades except the kindergarten are in session from 1 to 3. The half hours before 9 and after 11 o'clock in the elementary grades are reserved for critic teachers.

SUBJECT PLANS

In order that the work in the training school may be systematically planned and executed, the student teacher is required

to make and submit subject plans based upon the scope or extent of the material included in the general notion involved.

The critic teacher will direct the time and manner for their use.

LESSON PLANS

For more specific work of daily recitations, carefully prepared lesson plans in accordance with the general spirit of the natural steps of instruction are required from each student teacher.

OBSERVATION

One of the most important features of the work in the training school is the observation of the method and management of the schoolroom. Carefully prepared outlines are placed in the hands of the student teacher, in accordance with which written reports are made at various intervals under the direction of the superintendent and critic teachers. These outlines deal with the mechanical management of a grade and practical schoolroom psychology and child study; such as attention and interest, discipline, perception and apperception, imagination, memory, suggestion, imitation and habit, the lesson as a whole, together with a careful study and characterization of the individual children composing any given class.

As occasion offers a carefully planned illustrative lesson is conducted by each critic teacher in the presence of the student teachers of the grade. A plan is placed before the student teachers, and the criticism period of that day is devoted to a discussion of the plan, the method employed, and results attained.

CRITIC TEACHERS

Each critic teacher has charge of a grade, devotes a part of her time to the teaching of the same, supervises the work of the student teachers, and observes and makes needed reports to the superintendent of the department.

The amount of teaching done by the critic varies as the interest and work of the school demand her personal efforts. For two weeks at the opening of each quarter, the instruction is exclusively in her hands. She does the teaching each day during the periods from 8:30 to 9 and 11 to 11:30, and is expected to take charge of one or more classes a day for the benefit of such teachers as most need her assistance.

She has immediate charge of all the work of the student teacher in directing the making of the subject and lesson plans,

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The Superintendent of the Training School acts as patron for students pursuing this line of work. All applications for admission to this course shall be submitted to the College Council and selections will be based upon:

1. Scholarship.
2. Personality.
3. Success in teaching children.
4. Ability to work with adults.

THE COURSE ITSELF CONSISTS OF:

1. Seventy-two weeks of electives from third or fourth year college subjects.
2. An equivalent of seventy-two weeks of work in the Training School as assistants to the regular critic teachers in making courses of study, doing model teaching, doing special and general critic work, and in a study of the principles and methods of constructive criticism.

The degree of B.Pd. will be granted upon the satisfactory completion of this course of study.

1904-5

Special Manual Training Course

MISS ALICE I. BOARDMAN.

In addition to the regular manual training in the grades of the Training School a course of study has been arranged for Normal students who wish to specialize in this line. This course aims to fit teachers to supervise and direct this work in the grades below the high school. In addition to the group of required subjects (see page 47) the work is quite largely a laboratory course and will require its share of the time during the Two Years' College Life Certificate Course. The course will include bench work, mechanical drawing and lectures on subjects allied to manual training. After some degree of proficiency with tools has been acquired, hand work for the primary grades will receive its due share of attention. This will include designing in Indian basketry and Venetian bent iron, together with raffia work; weaving; cardboard construction, based on mechanical drawing, as a preparation for the more advanced work; clay modeling as taught in the first and second grades.

Before completing the course each student will be required

the work of observation, the writing of reports based on observations in the schoolroom, and the execution of plans. She meets her student teachers each day at three o'clock for the purpose of reviewing the work of the day, examining the lesson plans, instructing in method, and hearing and discussing reports of observation in child study.

SCHOOL EXERCISES

Chapel exercises are held regularly on Friday morning of each week in the training school assembly hall. These exercises consist of a simple devotional program, supplemented each time with music and dramatizations by the children from one or more of the grades.

Special programs appropriate to the occasion are given at Thanksgiving, Christmas, Washington's Birthday, Memorial Day, and at the close of the school year.

All of these exercises are public, and patrons and friends of the school are cordially invited to attend. Student teachers are especially welcome and are invited to join the children in the devotional part of the program.

THE COURSES OF STUDY

Detailed outlines of work in reading, elementary science, history, geography, arithmetic, language, music, drawing, physical training, manual training and domestic science are followed in all grades of the department. Several of these courses of study are to be issued in pamphlet form during the present school year.

SPECIAL TRAINING SCHOOL COURSES

Special Course for Critic Teachers

On account of the demand throughout the country for specially trained critic teachers the College will offer to a limited number of applicants an opportunity for pursuing such a course of study.

All candidates for this course must have completed the work for the life certificate, and must have furnished satisfactory evidence of their general teaching ability.

The Superintendent of the Training School acts as patron for students pursuing this line of work. All applications for admission to this course shall be submitted to the College Council and selections will be based upon:

1. Scholarship.
2. Personality.
3. Success in teaching children.
4. Ability to work with adults.

THE COURSE ITSELF CONSISTS OF:

1. Seventy-two weeks of electives from third or fourth year college subjects.
2. An equivalent of seventy-two weeks of work in the Training School as assistants to the regular critic teachers in making courses of study, doing model teaching, doing special and general critic work, and in a study of the principles and methods of constructive criticism.

The degree of B.Pd. will be granted upon the satisfactory completion of this course of study.

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Before completing the course each student will be required

1904-5

to make an original model to be left with the department; to make an estimate of lumber and other material for class work; and also to make various estimates for the equipment of a class room under the existing conditions of schools as they will be found in different towns and cities of the state.

An outline of the specializing course in this department is given below in order that prospective students may gain an idea of the work required.

In addition to the specializing course, another one will be offered each quarter, in which no credit will be given, for the purpose of giving non-specializing students an opportunity to familiarize themselves with the hand work for the primary grades.

COURSE OF STUDY IN MANUAL TRAINING FOR SPECIALIZING STUDENTS

1.	Group of Required Subjects (see p. 47)	144	Weeks
2.	Elementary Drawing 1, 2	24	"
3.	Mechanical Drawing	12	"
4.	Advanced Drawing 1	12	"
5.	Blackboard Sketching	12	"
6.	Bench Work	36	"
7.	Basketry, bent iron work, raffia	12	"
8.	Card-board construction, weaving, clay modeling	12	"
9.	Electives	24	"

Special Kindergarten-Primary Course

The specializing Kindergarten-Primary Course consists of:

1. Group of Required Subjects. (See p. 47)...144 Weeks
2. Electives under direction of the patron....144 "

NOTE.—The Superintendent of the Training School is the patron of this department. The electives determined by the patron include:

Kindergarten Instruction 1, 2, 3.
Kindergarten-Primary Music.
Primary Nature Study.
Elementary Drawing 1, 2.
Blackboard Sketching.
Teachers' History.
Teaching 3.
Principles of Criticism 1.

Kindergarten Courses

MISS HESTER P. STOWE.

The courses in kindergarten instruction, open only to specializing students, are as follows:

1. KINDERGARTEN 1. 12 WEEKS.
   Must be preceded by Psychology 1. Kindergarten gifts 1, 2, 3. Hand work—clay modeling, sewing, slat interlacing, weaving, folding; study of Froebel's Mother Play Book; songs and games.
   Fall and winter quarters, 1-2. Kindergarten room.
2. KINDERGARTEN 2. 12 WEEKS.
   Must be preceded by Kindergarten 1. Kindergarten gifts 4, 5, 6; hand work—geometrical folding, free-hand cutting, school of cutting, intertwining; continue study of Froebel's Mother Play Book; songs and games.
   Winter and spring quarters, 2-3. Kindergarten room.
3. KINDERGARTEN 3. 12 WEEKS.
   Must be preceded by Kindergarten 1, 2. Kindergarten gifts 7, 8, 9, 10; hand work—color work, cardboard modeling, baskets and braided work with florist's fiber, willow basket weaving; continue study of Froebel's Mother Play Book; songs, games and stories.
   Fall and spring quarters, 2-3 and 1-2. Kindergarten room.

Reference books used:

Education of Man.—Froebel.
Pedagogics of Kindergarten.—Froebel.
Symbolic Education.—Blow.
Froebel's Education Laws.—Hughes.
Psychology of Froebel's Play Gifts.—Snider.

Domestic Science and Art Course

MISS ANNETTE F. CHASE.

Recognizing the fact that domestic science and art are becoming an important factor in the educational system of our state, the Normal College will offer during the school year of 1905-06 a specializing course for the training of teachers in these

lines of work. The requirements for admission are the same as those for other college courses leading to the life certificate. For students who have pursued elementary chemistry and physics in accepted high schools other electives of equal culture value may be chosen. In addition to the group of Required Subjects (see p. 47) the work will include much practical work in bacteriology, cookery, dietetics, serving, marketing, household economics and art—including drawing, designing, hand sewing, drafting, machine sewing, and hand work for the primary grades. The hand work will include weaving, basketry, and designing similar to that which is done in the last year of the specializing course in manual training (see p. 127).

The practical work in cooking will aim to demonstrate its leading principles, and their modification in the preparation of food for infants, invalids, and adults under widely different conditions.

Under dietetics will be studied the composition of the body; its waste and repair; need of food; kinds and proportion required; composition of various food materials; use of each in the body and their digestibility; best methods of cooking in order to secure greatest nutritive value at the least cost; ways of meeting individual needs; calculation of dietaries for persons of different ages and engaged in different occupations.

Serving includes the study of the principles and practices underlying wholesomeness and attractiveness; the giving of luncheons and dinners.

Marketing involves the economical purchase and preservation of food.

Household economics gives attention to the care of the house and its furnishings; sanitation, the scientific principles involved and practices conducive to maintaining healthful conditions.

An outline of the courses in education, chemistry, drawing and bacteriology will be found in the announcement of courses in their respective departments.

On account of the multiplicity of classes, the course in Domestic Science and Art may be begun only with the Fall quarter.

COURSES OF STUDY

1.	Group of Required Subjects (see p. 47)	144	Weeks
2.	Elementary and Organic Chemistry	36	"
3.	Elementary Drawing and Design	24	"
4.	Bacteriology	12	"
5.	Cookery	36	"
6.	Household Economics, marketing and serving, laundry work, sanitation and home nursing	12	"
7.	Sewing, basketry, weaving and elementary hand work	24	"

Summer School, 1905

FACULTY OF THE SUMMER SCHOOL

L. H. JONES, A. M., PRESIDENT.

MARK S. W. JEFFERSON, A.M.,
Professor of Geography.

ELMER A. LYMAN, A.B.,
Professor of Mathematics.

WILL H. SHERZER, M. S., PH. D.
Professor of Natural Sciences.

EDWIN A. STRONG, A. M.,
Professor of Physical Sciences.

SAMUEL B. LAIRD, M. S., B. PD.,
Professor of Psychology.

CHARLES O. HOYT, PH. D.,
Professor of History of Education.

NATHAN A. HARVEY, PH. D.,
Professor of Psychology and Institute Conductor.

DIMON H. ROBERTS, A. M.,
Superintendent of Training School.

WILBUR P. BOWEN, M. S., B. PD.,
Professor of Physical Education.

J. S. LATHERS, B. L.,
Professor of Reading and Oratory.

HELEN B. MUIR,
Instructor in Latin and Greek.

ORLAND O. NORRIS,
Instructor in Latin and Greek.

ANNA H. OLMSTED
Instructor in Drawing.

ALMA BLOUNT, PH. D.,
Instructor in English.

ESTELLE DOWNING, A. B.,
Instructor in English.

MARGARET LOCKWOOD,
Instructor in Geography.

MARY B. PUTNAM, PH. B., B. PD.,
Instructor in History.
BERTHA G. BUELL, B. L.,
Instructor in History.
EDNA T. COOK., B. S.,
Instructor in History.
ADA A. NORTON, PH. M.,
Instructor in Mathematics
KATE R. THOMPSON,
Instructor in Mathematics.
FRANK JENSEN,
Assistant in Mathematics.
IDA B. P. FLEISCHER, PH. D.,
Instructor in Modern Languages.
MARY JOY LOMBARD, B. L.,
Instructor in Modern Languages.
CLYDE E. FOSTER,
Instructor in Music.
RUTH PUTNAM,
Instructor in Music.
JESSIE PHELPS, M. S.,
Instructor in Natural Sciences.
FREDERICK R. GORTON, M. S., B. PD.,
Instructor in Physical Sciences.
FANNIE CHEEVER BURTON, M. PD.,
Director of Women's Gymnasium.
INEZ CLARK,
Instructor in Physical Education.
MARY M. MASTER,
Instructor in Reading and Oratory.
EDNA FLARIDA,
Assistant in Drawing.
ALICE VAN HOUTEN,
Assistant in Drawing.
LILLIAN WORDEN,
Assistant in Drawing.

TRAINING SCHOOL.

DIMON H. ROBERTS, A. M., SUPERINTENDENT.
HESTER P. STOWE,
Kindergarten.
JESSIE HAMMOND,
Assistant—Kindergarten.

MARGARET E. WISE,
First Grade.
ADELLA R. JACKSON,
Second and Third Grades.
ELLA M. WILSON,
Fourth and Fifth Grades.
MATTIE ALEXANDER MARTIN, A. B.,
Sixth and Seventh Grades.
ALICE I. BOARDMAN,
Manual Training.
ANNETTE F. CHASE,
Domestic Science and Art.

NON-RESIDENT LECTURERS.

EDWARD FULLER BIGELOW, PH. D.,
Editor of *Popular Science*.

CLIFTON FREMONT HODGE, PH. D.,
Professor of Biology in Clark University.

MARY E. McDOWELL,
Social Settlement Worker in Chicago.

NATHANIEL RUBINKAM, PH. D.,
Extension Lecturer, University of Chicago.

GEORGE EDGAR VINCENT, PH. D.,
Professor of Sociology, University of Chicago.

Schedule of Classes. Summer Term. 1905.

7–8	8–9
Animal Studies (7-9) Arithmetic, Teachers' (8-9) Blackboard Sketching Civics, Teachers' (8-9) General Method (8-9) Grammar, Preparatory (8-9) Greek 1 (2-3) Harmony 1 (8-9) †History, General (8-9) Minerals and Rocks (7-9) Psychology 2 (8-9) Science of Education	†Algebra, Elementary Anglo Saxon (2-3) Arithmetic, Teachers' (7-8) Basket Ball (w) Blackboard Sketching (9-10) Chemistry 4 (9-10) Civics, Teachers' (7-8) Domestic Science (8-10) Drawing, Elementary 1 (9-10) Drawing, Elementary 2 (9-10) Geometry, Analytical (11-12) General Method (7-8) German 1 (3-4) *Grammar, Preparatory (7-8) Harmony 1 (7-8) History of Education (9-10) †History, General (7-8) Latin, 1 (11-12) Manual Training Music, Teachers' (9-10) †*Physics 1 (9-10) Principles of Criticism 1 (9-10) Psychology 2 (7-8) Vocal Music, Elements of, 1(9-10)
9–10	**10-11**
Blackboard Sketching (8-9) Chemistry 4 (8-9) Drawing, Elementary 1 (8-9) Drawing, Elementary 2 (8-9) French 1 (2-3) Geometry, Method in Geometry, Plane (3-4) German, Advanced (2-3) †Grammar, Teachers' (3-4) History of Education (8-9) Latin Writing Music, Teachers' (8-9) Nature Study, Primary Physical Edu'n, Teachers' (10-11) *†Physics 1 (8-9) Principles of Criticism 1 (8-9) Reading, Teachers' (2-3) *Rural School Gymnastics Trigonometry (3-4) Vocal Music, Elements of, 1 (8-9)	Algebra, Higher (3-4) *Arithmetic, Review †Chemistry 1 (11-12) Drawing, Advanced (11-12) Drawing, Elementary 1 (11-12) Elocution 2 (1-2) French, Advanced (3-4) Geography, Advanced Geology, Physiographic History, Adv'd American (11-12) *History, United States Latin Etymology Kindergarten—Pri. Music (11-12) Physical Laboratory Pract. (11-12) Physical Edu'n, Teachers' (9-10) Physical Training 1 (w) Plant Studies (10-12) Political Economy (11-12) Public School Gymnastics Reading and Orthoepy (2-3) School Supervision Voice Culture 1 (11-12)

Schedule of Classes. Summer Term. 1905.

11-12	1-2
†Chemistry 1 (10-11)	*†Algebra, Elementary
Domestic Art	Drawing, Elementary 1 (2-3)
Drawing, Advanced (10-11)	Drawing, Elementary 1
Drawing, Elementary 1 (10-11)	Elocution 2 (10-11)
Elocution 1 (3-4)	Psychology 1 (3-4)
*Geography, General	
Geometry, Analytical (8-9)	
History, Adv. American (10-11)	
Kindergarten-Pri. Mus. (10-11)	
Latin 1 (8-9)	
Manual Training	
Physical Lab. Practice (10-11)	
Physical Training 5 (w)	
Political Economy (10-11)	
Public School Gymnastics	
Voice Culture 1 (10-11)	

2-3	3-4
Anglo Saxon (8-9)	Algebra, Higher (10-11)
*Arithmetic, Review	Elocution 1 (11-12)
Astronomy, General	French, Advanced (10-11)
*Civil Government	†Geometry, Plane (9-10)
Drawing, Elementary 1 (1-2)	German 1 (8-9)
French 1 (9-10)	†Grammar, Teachers' (9-10)
Geography, Field (2-4)	Hist., Nineteenth Century (2-3)
German, Advanced (9-10)	*Physiology, Review
Greek 1 (7-8)	Psychology 1 (1-2)
Hist., Nineteenth Century (3-4)	Rhetoric, Advanced (2-3)
Old English	Trigonometry (9-10)
Physics, Method in	Tennis, (m and w)
Public School Gymnastics	Vocal Music, Elem. of, 2 (2-3)
Reading and Orthoepy (10-11)	
Reading, Teachers' (9-10)	
Rhetoric, Advanced (3-4)	
Vocal Music, Elem. of, 2 (3-4)	

*For Rural Schools.
†State Certificate Examinations.
The number following each subject indicates that this class meets also at that hour.

SUMMER SCHOOL OF THE MICHIGAN STATE NORMAL COLLEGE

The Faculty of the Michigan State Normal College will offer work in all its departments, during the six-weeks' Summer Session of 1905. The Library and Laboratories will be open, and all other facilities of the institution will be placed at the disposal of the students. Summer school will begin June 26 and close August 4. Monday, June 26, will be classification day; classes will begin recitations Tuesday, June 27.

The courses offered will be, *regular*, *special* and *general*, as follows:

REGULAR COURSES

Students pursuing regular work, and desiring credit, will be able to complete two subjects of twelve weeks each, in either general or specializing courses of the College, by taking two recitations per day in each subject. They will enjoy the additional advantage of attending the lectures on general educational topics, which will be given at frequent intervals during the session by men of national reputation, and which will be free to all students, both regular and special. The lectures will occur at an hour in which they will not conflict with regular classes.

SPECIAL COURSES

Special Courses in School Supervision and General Method, will be offered by members of the faculty and by others engaged for the purpose. These courses will be of such a nature as to make them of especial value to teachers who have had experience in teaching or supervision, and

who wish to broaden and deepen their knowledge in the light of that experience.

Special courses of six weeks will also be offered for village and rural school teachers, and for those wishing to prepare for examinations before County Boards or the State Board of Education.

Courses of six weeks will also be given in methods in various departments.

An observation school will be conducted by the faculty of the training school, including the kindergarten and first seven grades. Special attention will be given to manual training in these grades.

Classes in Domestic Science and Art will be given during the entire term.

The new science building will be used by the science department. Well-equipped physical, chemical, zoölogical, geological, and botanical laboratories will be open to students, without extra expense. The geographical department will offer excursions to points of interest in connection with this important branch of school work.

The conservatory of music will be open during the entire six weeks of the Summer Session. Courses in public school music and methods of teaching will be free to members of the Summer School. In addition, courses in voice culture, sight singing and harmony will be given.

The department of drawing will give special attention to work suitable to those wishing to become supervisors of this branch, as well as to those who wish general class work in drawing. The entire art collection of the department will be at the service of the classes.

A well-equipped gymnasium for men, and one for women, will be open with regular work adapted to the

needs of students of the summer school. Methods in adapting gymnastic exercises to public schools will receive careful attention.

GENERAL COURSES

The general lecture courses which proved so popular and helpful last year, will be given again this year. *These are all free.* They will consist of lectures on educational themes of interest to teachers who seek inspiration, improvement, and advancement in their profession, and will be given for the general benefit of the whole body of students.

Dr. Edward Fuller Bigelow, well known as a lecturer on Nature Study subjects, and also as editor of Popular Science, will give a course of eight lectures, many of them illustrated. His recent work as editor of the Nature and Science department of St. Nicholas has made him well known to the young people of the country, and has emphasized his wonderful power of clear statement of the interesting facts of nature as related to common living. For many years he has charmed and instructed teachers in summer schools at Martha's Vineyard, Wood's Holl, Connecticut College of Agriculture and elsewhere. The Normal College is fortunate to secure him for so extensive a course.

Dr. Clifton Fremont Hodge, Professor of Biology in Clark University, will give an extended series of lectures. He will treat physiology for the teacher and student, the effects of stimulants and narcotics on the human system, and methods of teaching nature study in elementary schools. He will also touch upon general pedagogical subjects.

Miss Mary E. McDowell, a well-known social settlement worker in Chicago, will discuss topics relating to social settlement work, the human side of the labor struggle, the school as a social center, etc.

Dr. Nathaniel Rubinkam, lecturer on English literature in the University of Chicago, will give a course of lectures on his favorite themes.

Dr. George Edgar Vincent, Professor of Sociology of the University of Chicago, whose work in the summer school last year proved so enjoyable and helpful, will give a brief course during the coming summer.

Arrangements are being completed with other scholars and lecturers, and it is our intention to make our lecture course during the coming summer school the most brilliant and instructive that will be given anywhere in the west.

The President's Round Table

President L. H. Jones will conduct a Round Table, at which practical educational questions and problems will be discussed. This cannot fail to be of personal interest and value to every progressive teacher.

Fees

The regular fee for the six weeks is $3.00. This fee covers all the work of the departments and all lectures.

Those taking the courses for village and rural schools will not be charged any fee.

All lectures are free to all members of the Summer School.

Good table board can be had at $2 to $2.50 per week. Rooms cost from 50c to $1 per week. Rooms for light housekeeping can be had at slight expense.

Location

The Michigan State Normal College is located at Ypsilanti. Ypsilanti is a beautiful and healthful city, having a population of about 8,000. The College buildings are on high ground, overlooking the city, giving almost ideal conditions for a Summer School. The city is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the Michigan Central system. The Ypsilanti branch of the Lake Shore and Michigan Southern gives a means of approach from the south and west. The D. Y. A. A. & J. electric line passes through the College Campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

Purpose

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement, taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the work of the college. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a training school of ten grades and kindergarten is conducted. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

Building and Equipment

The College occupies six buildings upon a campus of more than fifteen acres, and represents a plant valued at $400,000. Separate buildings are devoted to physical training, the Training School, the Students' Christian Association, Science, and the Conservatory of Music. The main building, besides lecture rooms, contains the assembly hall, with chairs for a thousand persons, the general and most of the department libraries, the astronomical observatory, the museum, and the general offices.

The Gymnasium has a full and modern equipment of apparatus, including wall and floor pieces, baths and running track, metric machines, and provisions for directed games and indoor recreation.

The Conservatory of Music, in addition to the regular prescribed and elective work of the College courses, given without extra cost (see p. 9), offers private lessons in voice culture, piano, pipe organ, and other instruments, for which the usual fees are charged. The opportunities for a varied, expert and professional training in musical theory and execution, are not surpassed in the northwest.

The several laboratories are furnished with tables and apparatus for individual instruction in chemistry, physics, botany, zoölogy, geology, astronomy, and physiology.

The Library occupies three large rooms, one of which is set apart for reference works and the use of readers. It has 23,500 volumes, and is easily accessible to students.

The Faculty

Instruction for the summer term will be given by the regular members of the faculty, including heads of departments, together with assistant professors and instructors,

with additional assistants wherever needed. The work for the summer school is under the control of the State Board of Education, as is that of any other part of the year.

Credits

As the courses of instruction offered during the summer school are given by the regular members of the College faculty, credits in them may be earned in the same way as at any other time of the year.

By action of the council not more than twenty-four weeks' credit may be earned during the summer school of six weeks. A large number of courses giving six weeks of credit will be offered. Such subjects as are required for graduation will be given as twelve weeks' courses, and classes will meet for recitation twice each day during the session.

Students not working for credits upon a college course, will have their classification arranged to suit their individual needs, and may enter without examination.

Conditions of Entrance

Those who are working for credits will be held to the same conditions for entrance as apply to other quarters of the year. The following quotation from the records of the State Board of Education explains itself:—

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in the state. The recognition constitutes an important change of policy of a higher state institution toward the public

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Summer School of 1905

DETAILS OF DEPARTMENTS

ANCIENT LANGUAGES.

Helen B. Muir. Room 34.

COURSES IN LATIN:—

1. *Beginners' Latin.*—Two recitations daily. The work done will be equivalent to that of the first quarter in the regular course. This work will be of such character as to enable one pursuing it to continue the study of Latin to advantage without a teacher, if need be. Credit 12 weeks. 8-9, 11-12, a. m. Four days weekly.

2. *Latin Writing.*—9-10 a. m. four days weekly. Credit 6 weeks. This course is planned especially to meet the needs of teachers who feel themselves weak in Latin composition. Praccal problems in Latin Syntax will be discussed and especial attention will be given to the cultivation of a good Latin style.

3. *Course in Latin Etymology.*—10-11 a. m. four times weekly. Credit 6 weeks. This is a course in word-analysis both of Latin words and of their English derivatives. It is designed to place emphasis upon the intelligent acquisition of a Latin vocabulary. This course should prove helpful to teachers.

COURSE IN GREEK:—

Beginners' Greek.—Two recitations daily. The work done will be equivalent to that of the first quarter in the regular course. Credit 12 weeks. 7-8 a. m., 2-3 p. m., four days weekly.

These courses are tentative selections merely, hence are subject to alteration or withdrawal. An effort will be made to adapt the work given to the desires and requirements of the students who present themselves.

Students in the Summer School will have free access to the department library of several hundred volumes, consisting of the best authorities on the language and literature of Greece and Rome. This will afford abundant opportunity to such as wish to pursue private studies and investigations.

of defective preparation be found to come from certain schools, the privilege of admission without examination, may, in the discretion of the faculty, be withdrawn from graduates of such schools."

Persons who do not desire credit on the books of the college for work done, will be admitted without examination to such courses as their previous training warrants.

Graduates of colleges of high rank, and persons that have taught under a life certificate granted by the State Board of Education, or a first grade teacher's license that has been endorsed by the State Superintendent of Public Instruction, are also exempt from entrance examinations.

For others the examination set will include algebra, grammar, reading and orthoepy, geography, United States history, civil government, and physiology. The examinations will occur Monday, June 26.

Graduates of accepted high schools should write to the President some time in advance and ask for the "high school blank." This should be filled out and signed by the principal of the high school, or by the superintendent, and presented together with the diploma on entering. No other credentials are necessary.

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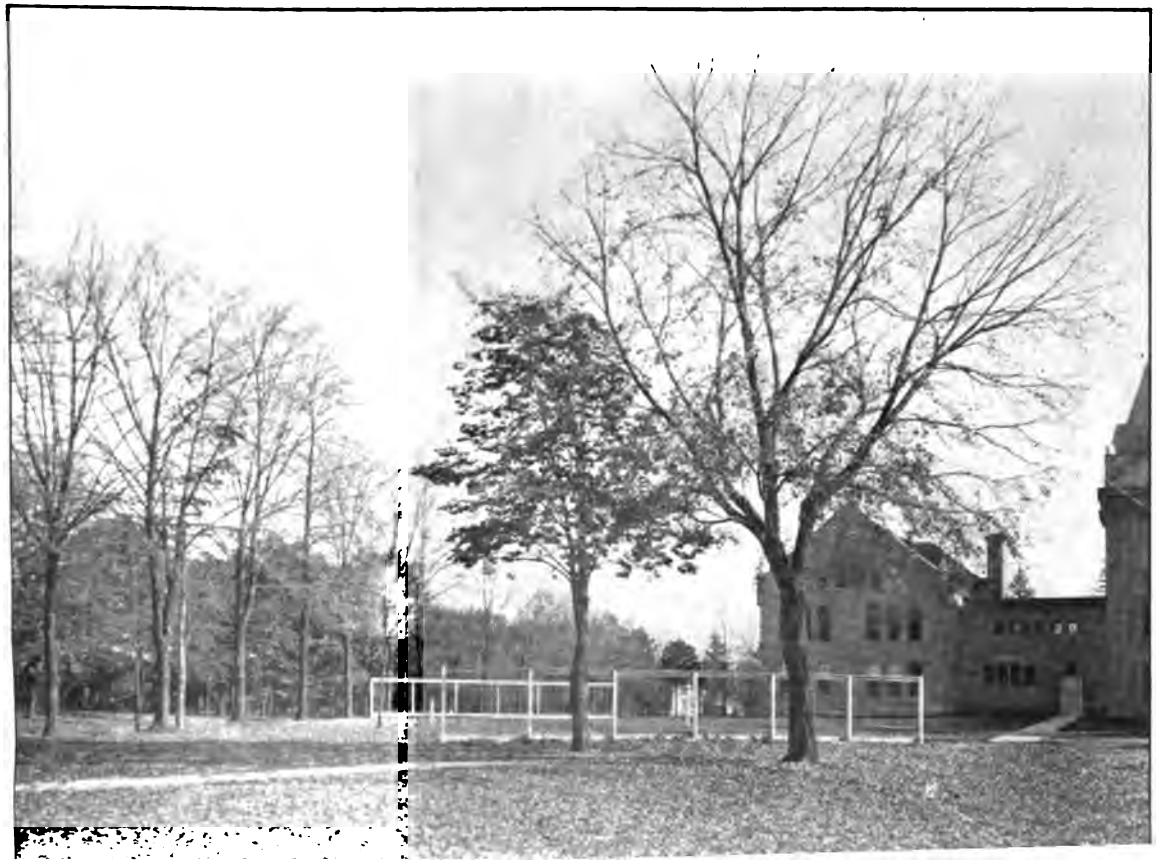

Tennis Courts

DRAWING

1. *Elementary Drawing* I.—

8-10	Room 9.	Miss Van Houten.	12 weeks' credit.
10-12	Room 10.	Miss Flarida.	12 weeks' credit.
1-3	Room 10.	Miss Worden.	12 weeks' credit.
*1-2	Room 9.	Miss Flarida	6 weeks' credit.

2. *Elementary Drawing* II.—8-10. Room 14. Miss Olmsted 12 weeks' credit.

These courses offer opportunity for free hand drawing from type forms, still life and flowers; in connection with this work, perspective principles, light and shade, and values are studied.

Some simple design work is given, also a short study of Egyptian and Greek ornament. The materials used are pencil and water colors. 1 must precede 2.

3. *Advanced Drawing.*—10-12. Room 14. Miss Olmsted. 12 weeks' credit. Drawings are made in pencil, and with pen and ink, from still life and flowers. Some color work is given in connection with designing.

Blackboard Sketching.—

8-10	Room 24.	Miss Worden.	12 weeks' credit.
7-8	Room 24.	Miss Flarida.	No credit.

In this course practice will be given in making sketches suitable to use in connection with the different seasons and holidays, and with the teaching of geography and nature study.

Elementary Drawing 1 and 2 or their full equivalent must precede.

ENGLISH

1. *Preparatory Grammar.*—A topical review of important constructions in English Analysis, together with a review of Etymology. The course should be especially helpful to students desiring to get a third grade certificate by county examination. 7 to 9 a. m. Mr. Norris.

2. *Principles of Criticism.* I.—Lectures upon Principles of Criticism preparatory to the study of poems selected from the American poets. Unannotated editions of the complete poetical

* The second half of this course will be offered the following summer.

writings of authors will be placed in the hands of each student, and original criticism especially encouraged. The general library is rich in literary criticism, and complete bibliographies of the authors studied will be at the service of the class. It should be noted that the course is not a study of American Literature, but an attempt to apply pedagogical principles of criticism to certain selections from American poetry. The course should be suggestive and helpful for teachers of Literature in elementary grades or high schools.

Two hours daily. Room 42. 8-10 a. m. Miss Downing.

3. *Teachers' Grammar.*—(a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Two recitations daily except Fridays. Room 43. 9-10 a. m., 3-4 p. m. Dr. Blount.

4. *Anglo-Saxon.*—Cook's First Book of Old English, followed by a course of lectures upon the history of the English Language. The course is considered of especial value to teachers of English Grammar.

Two recitations daily except Thursdays. Room 43. 8-9 a. m., 2-3 p. m. Dr. Blount.

5. *Advanced Rhetoric.*—The work of this course constitutes a general review of rhetorical principles, and a practical application of these principles to English Composition. It includes a study of models in description, narration, exposition, and argument, together with constant practice in writing under these four types of prose structure. The course is especially designed for those who already have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or high schools.

Room 43. Two hours daily, 2-4 p. m. Miss Downing.

GEOGRAPHY

1. *General Geography of the Continents.*—Four hours weekly. A course of lectures will take up the physical features that seem to exercise most evident control on the distribution of man, and the social and political reactions of men to the control.

An examination will be offered to those who wish credit in this course. Room 21. 11 a. m. Prof. Jefferson.

2. *Field Geography.*—Teachers' half-course, four times weekly. Saturdays a half day and three other days from 2 to 4 p. m. There are two aims in this work;—1, to help teachers to recognize the geographic features of the landscape, and 2, to plan the use of these out-door forms in teaching with a text book. Prof. Jefferson.

3. *Advanced Geography.*—Teachers' half-course, four hours a week. Preparation by students under the direction of material and plans for intensive lessons on the geography of Russia, Germany, France, Great Britain and some other countries with constant comparison and reference to the United States. Room 18, 10 to 11 a. m. Applicants for this course should have some previous training in geography. Prof. Jefferson and Miss Lockwood.

4. *Geographic Excursions.*—On Wednesdays, 7-9, Miss Lockwood will conduct walks about Ypsilanti, visiting picturesque spots about the city, and pointing out especially the history of the landscape and those geographical processes that commonly pass unnoticed, with the object of illustrating the possibilities of out-of-door work with public school classes.

On Saturdays longer excursions will be made, some of them on the Detroit river to the Lakes. These will offer the best of opportunities for geographic study at very moderate cost, and under agreeable conditions.

These excursions will be open to all students of the Summer School, whether enrolled in a class in geography or not. They will be planned consecutively, each in a measure preparing for the next, and will illustrate the work in geographic courses, but students who wish to accompany single excursions may do so.

HISTORY

1. *United States History.*—An elementary course adapted to the needs of those wishing to prepare for the county examination. The ground covered will depend entirely upon the proficiency of the class. 10-11. Room. 35. Credit 12 weeks, ninth grade or preparatory on examination.

2. *Civil Government.*—This course in government as well as that in U. S. History will be conducted in the interest of students preparing for a county examination. Hours 2-3 Room 35.

3. *Political Economy.*—Text-book, supplemented by lectures

discussions and written reports. 10-12. Room 35. Credit 12 weeks. Miss Putnam.

4. *General History.*—The work will be in a measure adapted to the needs of the class. Myers's General History. 7-9. Room 49. Credit 12 weeks.

5. *Nineteenth Century.*—The work follows the great historical movements which created, in modern times, the free society, the church, and the state. Text-book, Judson's Modern Europe. Hours, 2-4. Room 36. Credit 12 weeks. Miss Buell.

6. *Teachers' Civics.*—This course presupposes a ready and accurate knowledge of Civil Government and United States History. Lectures with assigned reading. Hours 7-9. Room 35. Credit 12 weeks. Miss Putnam.

7. *Advanced American History.*—This course is designed for advanced students and presupposes a thorough elementary course. The work is arranged with special reference to teaching the subject. Hours 10-12. Room 36. Credit 12 weeks. Miss Buell.

MATHEMATICS

1. *Arithmetic.*—A review for those who desire to prepare for teachers' examination. Six weeks. Two sections. 10-11 and 2-3. Miss Thompson.

2. *Elementary Algebra.*—A review of Algebra through quadratics for those who desire to prepare for teachers' examination. Stone and Millis' Academic Algebra. Six weeks. Two sections. 8-9 and 1-2. Mr. Jensen.

3. *Plane Geometry.*—Well's Plane and Solid Geometry. Twelve weeks. 9-10, 3-4. Mr. Jensen.

4. *Trigonometry and Logarithms.*—An elementary course in plane trigonometry and the use of logarithmic tables. Lyman and Goddard's Plane Trigonometry. Twelve weeks. 9-10, 3-4 Miss Thompson.

5. *Teachers' Course in Arithmetic.*—This course will be carried on partly by lectures and partly by reviews and discussions of typical parts of the subject. It is assumed that those who enter know arithmetic, algebra, and geometry, and have some knowledge of psychology. Beman and Smith's Higher Arithmetic. 7-9. Professor Lyman.

6. *Higher Algebra.*—Fisher and Schwatt's Higher Algebra will be used as a text. Twelve weeks. 10-11, 3-4. Miss Norton.

7. *Methods in Geometry.*—This course is designed for teachers. The history of the introduction and development of the various parts of geometry will be considered. Special attention will be given to methods of attack. Six weeks. 9-10. Professor Lyman.

8. *Analytical Geometry.*—An elementary course in analytical geometry. The course presupposes a knowledge of trigonometry and higher algebra. Text-book, Tanner and Allen. Twelve weeks. 8-9, 11-12. Miss Norton.

A course of at least six lectures on the historical development of arithmetic and methods of teaching the subject will be given by Professor Lyman.

MODERN LANGUAGES

GERMAN COURSES:—

1. *For Beginners.*—Twice daily. Pronunciation, conversation, and reading based on careful drill in the grammar. One term's credit. Dr. Ida Fleischer. 8-9, 3-4. Room 22.

2. *Advanced Review Course.*—Twice daily. This class is for those who may wish to refresh their knowledge of the language, and gain a new fund of information and enthusiasm. Dr. Ida Fleischer. 9-10, 2-3. Room 22.

A special effort will be made to meet the wants of high school teachers of German. Questions concerning the methods and pedagogy of modern language teaching will be freely discussed in the advanced class, and all students will be given opportunity to inform themselves on subjects in which they feel the need of advice and assistance. They will also have free access to the department library of several hundred volumes, consisting of the best works on German history, language, and literature. This will enable them to pursue various courses of reading and to make for themselves bibliographies of the subjects in which they are especially interested.

FRENCH COURSES:—

1. *For Beginners.*—Twice daily. Drill in pronunciation, grammar, conversation and reading. One term's credit. Miss Lombard. 9-10, 2-3. Room 23.

2. *Advanced Course.*—One or two hours a day as occasion demands. Miss Lombard. 10-11, 3-4. Room 23.

The courses outlined in the department are not necessarily fixed and may be changed if there is sufficient need for it.

MUSIC

1. *Elements of Music.*—This course is designed, primarily, for those who have never studied the rudiments of music. It is a beginners' class, but it will also afford an opportunity to those who have already taught music, to review the subject and give them the benefit of observing the professional work done by the regular instructor. 8-10. Miss Towner.

2. *Elements of Music.* II.—2-4. Miss Towner.

3. *Kindergarten and Primary Grade Music.*—This course includes the foundation principles, upon which the best methods are based, for presenting the subject of elementary music in the Primary grades. A careful study is made of each phase of the work, from kindergarten through the third year, under such heads as: The use of the child's voice (how to cultivate and retain vocal purity), ear training, the development of the tonal and rhythmic sense, the treatment of monotones and song interpretation. A sequence of selected children's songs, with suggestions for presentation and artistic rendering, will be given. It is desired that the students have some knowledge of instrumental music as an aid in the development of rhythm.

10-12. Conservatory. Miss Foster.

4. *Teachers' Course in Public School Music.*—A critical study is made, in this course, of the professional aspects of the subject together with the best ways of presenting it in the eight grades. The series of lessons includes the detailed course, children's use of the voice, the art of teaching music-reading, the discussion of various methods and the proper conducting of classes.

8-10. Conservatory. Miss Foster.

5. *Voice Culture.*—Principles of tone production developed and attention given to each individual voice. Emphasis is placed upon the last point. This course is open to all students. Solo singing is introduced and the rudiments of voice culture are developed. Special attention is given to the training and guidance of the child's voice in speaking and singing.

10-11, 11-12. Conservatory. Miss Putnam.

6. *Harmony.*—Students entering this class should have had elements of vocal music and should be able to play the piano or organ sufficiently for playing chords and the simpler forms of hymn tunes. The work consists of a study of chords and intervals, their construction, analyzation, and mental effects.

7-9. Conservatory. Miss Putnam.

NATURAL SCIENCES

1. *Primary Nature Study.*—A course of lectures and demonstrations intended primarily for teachers of the elementary grades and those who have the supervision of such work. There will be discussed the underlying principles of the subject and the most important aims and methods. Certain special topics recommended for the primary school will be presented for purposes of illustration and it is intended to have these topics constitute the Nature Work as given to the children themselves in the practice school. Complete courses of study for the first four grades will be outlined and suggestions given in regard to the collection of material, its care and devices for the study of live forms in the school room. The question of the school garden will receive especial attention and illustration. Hour 9-10, except Fridays. Room A. Since no especial requirement is made, there will be no credit. Professor Sherzer.

2. *Animal Studies.* Is an abridgment of the regular twelve weeks' course of the same name. It attempts to deal in a practical way with the material of nature study used in the grades. The first three weeks will be devoted largely to the study of the economic place in nature of birds and insects, in the hope of meeting the needs of those teachers who can remain for but half the course. The last three weeks will be given up to a more general study of other groups of common animals which are of direct industrial importance to man.

Since as much time as possible will be spent out of doors each member of the class should have a small collecting pail, small, wide-mouthed bottles, and if possible, a pair of field or opera glasses. It is suggested that the women be provided with heavy shoes, short, stout skirts, and caps.

Text: Jordan, Kellogg & Heath, "Animal Studies." (Appleton). Six weeks' credit. Room M. 7-9 daily. Miss Phelps.

3. *Plant Studies.*—This course in general botany will con-

sider the following topics:

(a) *The Work of Plants.* Experiments to show how a plant utilizes the energy of the sun to build wood, manufacture starch, purify the air, reproduce itself, etc., etc.

(b) *The Vital Organs* of green plants. How roots, stems, leaves and flowers are constructed in order to do their work.

(c) *Plant Societies.* Classification according to moisture and light relations, manner of growth and structure. Adaptations and struggle in the plant world for maintenance.

(d) *The Economic Relations* between man and plants. Dependence of man upon the vegetable kingdom for food, air, clothing, medicines, etc.

Besides the usual recitations and laboratory exercises there will be one field trip each week. Those contemplating the work are advised to provide themselves with sensible clothing for tramping. Text—Coulter's "Plant Relations." (Appleton). Six weeks' credit. Room H. Hours 10-12 daily. Miss Phelps.

4. *Physiology Review* is a course arranged to meet the needs of those persons wishing to prepare for teachers' examinations. The more important physiological topics will be studied by means of carefully arranged sets of questions, including such as are used in the state and county examinations. The class recitations will be illustrated by demonstrations, experiments, models, museum specimens, lantern slides, etc. Students are requested to bring sets of questions and one or more reliable texts. Peabody's "Studies in Physiology," (Macmillan) and Martin's "Human Body" (Holt) are recommended. Upon the satisfactory completion of this course credit will be given in preparatory physiology. Room K. 3-4 daily. Miss Phelps.

5. *Minerals and Rocks.*—This is a practical study of the more common Michigan minerals and rocks, particularly those of economic importance. Bulk material is furnished to the teacher for study and he is assisted in making a small private collection. Blow-pipe methods and simple chemical manipulation will be acquired. Field trips will be made as often as needed for the collection of local material and the week-end excursions will afford opportunity for collecting from more distant localities. No previous knowledge of geology or chemistry is presupposed. Hours 7-9 daily. Six weeks' credit. Rooms A and C. Professor Sherzer.

6. *Physiographic Geology.*—An elementary study of those geological agencies which are now at work in modifying the surface of the earth in order that the pupil may understand how these agencies have operated in past time. The course will cover the mechanical and chemical action of the atmosphere, the geological effects of ice and running water, the various organic agencies in our ponds, lakes and seas, and the phenomena due to the internal heat of the earth. The course will consist of library work and lectures, illustrated with photographs, models, specimens and lantern slides. Some elementary text will be used as a guide. The week-end excursions to be given are primarily for the members of the class, so far as they may desire to take advantage of them. Hour 10-11, daily. Credit six weeks. Room A. Professor Sherzer.

7. *Week-End Excursions.*—These excursions are planned primarily for the students of Courses 5 and 6, so far as they may wish to take advantage of them. Others will be welcomed until the limit set for each excursion is reached. They will afford opportunity for special field studies, sight seeing and recreation from the heavier studies of the week.

Excursion 1. July 8th. Ypsilanti to Trenton by special electric car for the purpose of observing the ancient beaches and lake deposits made by the predecessors of our Great Lakes. The *drowned* streams which empty into the Detroit River, the quarry of Corniferous limestone at Sibley's and the effects of the four great advances of the Canadian ice-sheets.

Excursion 2. July 15th. Ypsilanti to Put-in-Bay and Kelly's Island, Lake Erie, by special electric car and boat. Rock structures, wave action, cavern formation and ice erosion.

Excursion 3. July 21st and 22nd. Ypsilanti to Niagara by rail and boat, one night being spent at the Falls. The geological features of the cataract and its gorge will be studied and the places of historic interest visited. Specimens of rocks and minerals will be collected and, as far as time permits, the various industries inspected which are utilizing the tremendous energy of Niagara.

Excursion 4.—July 28th, 29th and 30th. Ypsilanti to Mammoth Cave, Kentucky, via Detroit, Cincinnati and Louisville. One crossing of both Ohio and Kentucky will be made by daylight in order to compare a *glaciated* and an *unglaciated* region. The

series of moraines left by the last ice-sheet as it retreated from the Ohio River northward will be observed from the car window. An effort is being made to secure a private car for the trip.

Students of the Summer School, not members of the classes in geology and mineralogy, who may wish to join these excursions, are requested to hand in their names in advance and as many as possible will be accommodated. No statement can now be made of the expense of each trip, but the best possible rates will be procured from the transportation companies. Excursions are to be conducted by Prof. Sherzer.

THE PHYSICAL SCIENCES

1. *Physics* I.—A course in the mechanics of solids and fluids, with laboratory work. May be taken by those who wish to review the fundamental concepts of physics; by those who wish to prepare for any examination in this subject; or by those who desire to begin the thorough study of elementary physics with reference to its completion at some other time. Algebra and geometry required. A two-hour course with 12 weeks' credit. Daily from 8-10. Rooms 6 and 11, Science Building. Mr. Gorton.

2. *Physical Laboratory Practice.*—A general course in elementary laboratory practice with full quiz upon the entire subject. May be taken by those who have had a full year of physics in a high school but have had insufficient laboratory practice; by those who wish in this way to review and obtain credit for the entire subject; or by specialists in this department who wish to have a laboratory course but for any reason cannot get advanced laboratory practice. A two-hour course with 12 weeks' credit. Daily 10-12. Rooms 6 and 11, Science Building. Mr. Gorton.

3. *Chemistry* I.—A beginning course in the chemistry of the non-metals, with demonstrative and laboratory work. A two-hour course with 12 weeks' credit. 10-12. Rooms 14 and 18, Science Building. Professor Strong.

4. *Chemistry* IV.—A course in qualitative chemical analysis following chemistry 3 of this institution or equivalent work elsewhere. A two-hour course with 12 weeks' credit. 8-10, daily. Rooms 14, 15 and 18, Science Building. Professor Strong.

5. *Method in Physics.*—A teachers' course in method in teaching physics in the high school and the advanced grades of the public schools generally. A one-hour course with 6 weeks' credit. Daily 2-3 p. m. Room 6, Science Building. Mr. Gorton.

6. *General Astronomy.*—A one-hour course in general or non-mathematical astronomy with six weeks' credit. Daily, with observatory work, 2-3. Room 1, Science Building. Professor Strong.

7. If called for, a lecture course will be given in modern theories of matter and recent progress in electricity. Two times a week, 3-4. Mr. Strong and Mr. Gorton.

SCIENCE AND HISTORY OF EDUCATION

1. *History of Education.*—This course is designed to bring the student to a knowledge of the great educational problems—by directing him in the interpretation of the life and thought of the modern education. This will be done by means of lectures, library work on assigned topics, reports and discussions. The period to be covered will be from the beginning of the seventeenth century to the present. Two recitations each day, twelve weeks' credit. Hours 8-10. Room 26. Professor Hoyt.

2. *Science of Education.*—In order to afford advanced students and teachers of experience, an opportunity to study education as a science, some or all of the following subjects will be discussed in this course: Education Defined; Its Aims and Methods; The Child; Environment vs. Heredity; The Course of Study; Teaching; School Management. Hours 7-8. Room 26. Professor Hoyt.

3. *School Supervision.*—A study of the history and problems of supervision: (1) the qualification of the superintendent; (2) his relation to the board of education, teacher, children, and the community; (3) the functions of the superintendent as the executive officer of the board and as a supervisor; (4) professional ethics. The course is designed for superintendents and principals of schools. Hour 10-11. Room 26. Professor Hoyt. From time to time President Jones will meet with this class and will conduct round-table discussions.

The courses in Science of Education and School Supervision may be credited for degree work.

PSYCHOLOGY AND GENERAL METHOD

Psychology I.—Two recitations daily. 12 weeks credit. Titchener's Primer of Psychology will be made the basis of the work. Chapters I to IX inclusive. Collateral readings in the library. Room 27. 1-2 and 3-4. Professor Harvey.

The purpose of this work is to give a careful study of fundamental processes in psychology as a basis for intelligent study of pedagogy and child activity. Psychological processes will be discussed in the light of most recent investigations. No previous study of psychology will be required as a condition for entrance to this class.

Psychology II.—This course will include a brief review of the first nine chapters of Titchener's Primer of Psychology, the com pletion of the last six chapters of the same text, and the finishing of Rowe's Physical Nature of the Child. The work of the texts will be supplemented by collateral reading in the library, by reports and discussions. The time will be about equally divided between the mental and physical consideration of the child. Room 25. 7-9. Professor Laird.

1. *General Method.*—This course will be open to all regular students who desire credit, and to such special students of the summer school as may wish to broaden themselves along the line of the more important principles of education. Especial attention will be given to Education, its meaning and purpose; the course of study and the relative educational values of the subjects constituting the same; the nature and educational value of interest; inter-relation of studies; examination, promoting and grading of pupils; and the inductive-deductive teaching process.

The work will be conducted by means of lectures, reports, and class discussions. 7-9. Room 50. Professor Roberts.

PHYSICAL EDUCATION

1. *Physical Training* I. (women)—10-11. Mrs. Burton. Swedish Gymnastics and School Games.

2. *Physical Training* V. (women)—11-12. Miss Clark. Dumb bells and Indian clubs.

NOTE: The lectures usually given in this course may be arranged for with Mrs. Burton.

3. *Public School Gymnastics* (men and women).—10-11. Miss Clark. 11-12, Mrs. Burton. 2-3, Professor Bowen.

4. *Rural School Gymnastics* (men and women).—9-10, Mrs. Burton. Elementary exercises, largely without apparatus, suitable for rural schools.

5. *Teachers' Course.*—9-11, Professor Bowen. Recitation room work on Theory of Physical Education.

6. *Tennis* (men and women).—3-5, Professor Bowen.

7. *Basket Ball* (women).—8-9, Mrs. Burton.

In addition to these courses, opportunity will be given to observe the work taught in the Training School, 9-10, Miss Clark.

Courses 1, 2 and 7 require the regulation gymnasium suit, which may be obtained here at a cost of about $5.00. It is possible to rent suits for the season.

Course 2 is open only to advanced students.

READING AND ORATORY

1. *Reading and Orthoepy.*—Preparatory. 12 weeks' credit. 10-11 a. m., and 2-3 p. m., four days a week. Miss Master.

A study of the correct use of diacritical marks and the intelligent use of the dictionary with practice in oral reading.

2. *Teachers' Reading.*—12 weeks' credit. 9-10 a. m. and 2-3 p. m., four days a week. Professor Lathers.

The aim of this course is the preparation for the teaching of reading. It deals with the reading problem in the primary and grammar grades, the relation of oral expression to the study of literature, the purposes of the reading work, the kind of literature suitable for different grades, the methods to be followed and the problem of making a definite progressive course of reading through the school course. About one-half the time is given to practical reading work and this forms the basis for the study of

3. *Elocution* I.—12 weeks' credit. 11-12 a. m. and 3-4 p. m., four days a week. Miss Master.

Vocal exercises, study of sources of power in speaking and of the vocal elements, quality, force, time and pitch; preparation and reading of classic selections.

4. *Elocution* II.—12 weeks' credit. 10-11 a. m. and 1-2 p. m., four days a week. Professor Lathers.

Study of vocal technique and expression through action. This course aims to make a careful literary analysis of selections from the best literature and, through stimulating the thinking process, to make the thought and feeling dominate voice and action.

Courses 1 and 2 in elocution should be helpful to teachers of literature.

In addition to the above courses there will be given by this department a series of readings and lectures (without credit) the purpose of which will be to aid the teachers of reading and English in the interpretation of the great masterpieces of literature.

TRAINING SCHOOL.

Superintendent—Dimon H. Roberts.

Kindergarten—Hester P. Stowe, assisted by Grace Hammond.
First Grade—Margaret E. Wise.
Second and Third Grades—Adella R. Jackson.
Fourth and Fifth Grades—Ella M. Wilson.
Sixth and Seventh Grades—Mattie Alexander Martin.
Manual Training—Alice I. Boardman.
Domestic Science—Annette F. Chase.

The training department will open a school for observation during the first four weeks of the summer term. The kindergarten and first seven grades will be in session from 8 to 11 a. m. each day.

The teaching will be entirely in the hands of the regular critic teachers, and the work will aim to illustrate modern and accepted methods in manual training, domestic science, nature study, reading and literature, arithmetic, geography and history.

Students electing observation in the Training School will be expected to do regular work and report regularly to the critic teachers in charge. The hour from eleven to twelve each day will be set apart for informal talks by the critic teachers; for the general discussion of lesson plans, methods, courses of study, principles of education, and for the consideration of questions which naturally grow out of the illustrative teaching.

No credit is given in this department during the summer term; but a certificate of attendance may be issued by the superintendent to those teachers who have been regular in their observation work during the four weeks which the school has been in session.

MANUAL TRAINING.

In addition to the illustrative work in manual training which will be carried on in the grades of the Training School, a course of instruction will be offered to a limited number of students in the summer school. Especial attention will be given to the various forms of hand work which are now taking such a prominent place in our primary and intermediate grades. Emphasis will be placed upon clay modeling, paper cutting, spool knitting, weaving, the making of doll furniture, cardboard construction, raffia wrapping and braiding, basketry in raffia and rattan, and Venetian bent iron work. No credit will be given in this course except to those who continue to specialize in manual training.

Manual Training Room, Training School Building, 8-9 and 11-12 daily. Miss Boardman.

DOMESTIC SCIENCE AND ART.

In addition to the illustrative work in domestic science and art in the grades of the Training School, the following special courses will be offered to summer students:

Domestic Science: A course of twenty-four lessons in cooking, serving, marketing, and household economy will be given. The work will be largely practical, supplemented by lectures and demonstrations in the kitchen. Credit will be given only to those who continue specializing in this line of work.

Domestic Science room, Training School building, 8-10. Miss Chase.

Domestic Art: The nature of this course will be definitely determined after the class is formed. Elementary sewing, as taught in the grades, will occupy a considerable portion of the time and if there is a demand for other forms of hand work the course will be arranged accordingly.

Domestic Art room, Training School building, 11-12 daily. Miss Chase.

Names of Students

HIGH SCHOOL DEPARTMENT

NINTH AND TENTH GRADES.

Barton, Mary Katherine ..... Milan
Barry, Ethel ..... Hastings
Burrell, Asa A. ..... Belleville
Burrell, Mabel Jennie ..... Belleville
Colby, Ruby M. ..... Howard City
Cole, Genevieve I. ..... Ypsilanti
Connor, Isabelle ..... Cherry Hill
Dolby, Mabel ..... Ypsilanti
Finch, Clifford ..... Ypsilanti
Hertler, Bertha ..... Urania
Hertler, Lillian Barbara ..... Urania
Hiscock, Marjorie Theodora ..... Ypsilanti
Huston, Ethel Belle ..... Ypsilanti
Jenks, Halsey D. ..... Ypsilanti
Lambie, Minnie M. ..... Ypsilanti
Markee, Mary Anita ..... Ypsilanti
Matthews, Ina Marie ..... Ypsilanti
Meyer, George ..... Ypsilanti
Minard, Chas. W. ..... Ypsilanti
Miller, Brownie Edith ..... Ypsilanti
Miller, Minnie Belle ..... Ypsilanti
Mills, Edna Elisabeth ..... Ypsilanti
Monaghan, Jas. E. ..... Ypsilanti
Newington, Mary Elizabeth ..... Romulus
Newington, Nettie ..... Romulus
Palmer, Eva Nell ..... Ypsilanti
Peterson, Laura Belle ..... Cherry Hill
Payne, Herbert ..... Ypsilanti
Quigley, Madge Louise ..... Ypsilanti
Quigley, Nellie Bly ..... Ypsilanti

Reed, Hazel ..... Ypsilanti
Sage, Inez Theresa ..... Ypsilanti
Scott, Mina ..... Ypsilanti
Seymour, Guy Edwin ..... Dentons
Showers, Zada ..... Ypsilanti
Smith, Zelma ..... Belleville
Staley, Harold ..... Ypsilanti
Stowe, Clella Rose ..... Webberville
Sweezy, May ..... Cross Plains, Ind.
Underwood, Leisha ..... Ypsilanti
Webb, Beatrice ..... Ypsilanti
Woods, Sadie ..... Belleville
Ziegler, Clara ..... Ypsilanti

PREPARATORY STUDENTS.

Brundage, Perry ..... Belleville
Buland, Harry ..... Ypsilanti
Chapman, Earl Owen ..... Ypsilanti
Clumpner, Guy ..... Kenton
Hinchey, Pacia ..... Pinckney
Hindelang, Margaret ..... Ypsilanti
Hoare, Bertram ..... Elk Rapids
Johnson, Olga ..... Nunica
Richards, Mary L. ..... Carleton
Southworth, Chloe M. ..... Flat Rock

RURAL SCHOOL COURSE.

Bryant, Birdie E. ..... Topinabee
Forner, Nora ..... Chelsea
Kelsey, Catherine ..... Ypsilanti
Russell, Amy ..... Shelby
Sheridan, Clara R. ..... Flushing

FIRST YEAR.

Adams, Minnie C. ..... New Boston
Bennett, Susie M. ..... New Hudson
Brown, Violet ..... Jackson
Campbell, Celia ..... Troy, O.
Coman, Gertrude ..... Prattville
Ellis, Lucy ..... Washington
Jamieson, Thomas ..... Wayne
Holmes, Herbert ..... Ypsilanti
Johnson, Nellie ..... Nunica
McLouth, Florence ..... Clayton

McLouth, Mabel ..... Clayton
Newkirk, Fern E. ..... Chicago
Peters, Winifred ..... Pinckney
Webster, Dollie ..... Ann Arbor
Winslow, Dollie ..... La Porte

SECOND YEAR.

Atkin, Grace ..... Milford
Barry, Flossie L. ..... Assyria
Bates, Warner ..... Nettle Lake, O.
Billings, Daisy ..... Dryden
Billings, Vida ..... Dryden
Clute, Florence Josephine ..... Ypsilanti
Farthing, Fred J. ..... Flushing
Foster, Lute Edmond ..... Tekonsha
Gage, Eleanor ..... Green Oak
Geer, Grace ..... Oak Grove
Gereau, George ..... Quinnesec
Griffin, Rachel ..... Marlette
Hickox, Ross A. ..... Reading
Hubbell, Bessie ..... Ypsilanti
Kaiser, Laura ..... Okemos
Long, Leo Ferdinand ..... Tekonsha
Mead, Eleanor ..... Ypsilanti
Moore, Lulu ..... South Butler
Roberts, Ola ..... Ypsilanti
Royston, Anna ..... Fremont
Royston, Maggie ..... Fremont
Ryerson, Grace L. ..... Holton
Thomas, Mabel E. ..... Geneseo, Ill.
Thompson, Evelyn E. ..... Ypsilanti
Thorn, Veva ..... Ypsilanti
White, Elizabeth ..... Ypsilanti
White, Fern ..... Ypsilanti
White, Marian ..... Ypsilanti
Woolsey, Lou ..... Ypsilanti

THIRD YEAR.

Abbott, Eva ..... Oxford
Abram, Mabel ..... Brighton
Adams, Ella ..... Evart
Akey, Madge ..... Colon
Alexander, Bessie ..... Holt

Anderson, Mary ..... Martin
Andrews, Louise A. ..... Paw Paw
Arnot, Cora E. ..... Mt. Clemens
Atkin, Bertha ..... Petoskey
Atkinson, Sydnie ..... Traverse City
Atkinson, Winifred ..... Niles
Aumert, Louise ..... Grand Rapids
Babbitt, Jean ..... Ypsilanti
Babcock, Harold ..... Sanilac Center
Bailey, Marguerite ..... Grand Rapids
Baird, Nellie ..... Brown City
Ballard, Amy ..... Cedar Springs
Ballard, Bessie ..... Cedar Springs
Banghart, Carroll ..... Mayville
Barkume, Claire ..... Detroit
Barnard, Amy Lee ..... Durand
Barnard, Flora M. ..... Hudson
Barmby, Eleanor ..... Caro
Bartlett, Mary E. ..... Harbor Beach
Barton, Margaret ..... Detroit
Bebeau Irene ..... Rockland
Bement, Wilhelmina ..... Mason
Bidwell, Almeron ..... South Lyon
Bliss, Iva ..... Lansing
Blossom, Edna ..... Cedar Springs
Borgmeier, Lena E. ..... Petersburg
Borgmeier, Mary S. ..... Petersburg
Boyne, Roland ..... Marlette
Brady, Anna ..... Ypsilanti
Braley, William N. ..... Ypsilanti
Brayton, Edith M. ..... North Adams
Brennan, Catherine ..... Detroit
Britton, Anna E. ..... Newaygo
Brown, Celia A. ..... Plymouth
Brown, Guy C. ..... Clarkston
Brown, Leroy N. ..... Clarkston
Brown, Lora Mae ..... Battle Creek
Bryan, Harry ..... Mount Morris
Bullis, Helen ..... Maple Rapids
Burden, Lizzie ..... Flat Rock
Burke, Nettie F. ..... Shelby
Burkhart, Claude ..... Gregory

Burton, Jennie L. ..... Eau Claire
Bush, Ila Isabelle ..... Gobleville
Calahan, Catherine ..... Hubbardston
Cameron, Maude E. ..... Ypsilanti
Campbell, Alice ..... Ovid
Carpenter, Grace M. ..... Orion
Cassel, Fern ..... Harbor Springs
Chapel, Helen ..... Parma
Chapin, Alice C. ..... Eden
Chapman, Hiram ..... Ypsilanti
Charlick, Minnie L. ..... Milford
Childs, Emma ..... Ypsilanti
Childs, Frances ..... Hudson
Chisholm, Margaret ..... Battle Creek
Clark, Helen M. ..... Lansing
Clark, Irene O. ..... Ypsilanti
Clem, Emerson S. ..... St. Paris, O.
Clement, Nellie ..... Hudson
Coffron, Iva M. ..... North Branch
Colby, Charles ..... Armada
Colby, Nellie ..... Eaton Rapids
Collins, Agnes I. ..... Toledo, O.
Collins, Kate M. ..... Gregory
Collins, May ..... Blissfield
Cook, Catherine ..... Iron Mountain
Cooley, H. C. ..... Hudson
Corbett, Mildred ..... North Adams
Corbin, Florence ..... Ashtabula, O.
Cottrell, Grace ..... Detroit
Covert, Milford William ..... Ypsilanti
Cox, Mabel L. ..... Ypsilanti
Crane, Florence A. ..... Ypsilanti
Crane, Mabel A. ..... Hillsdale
Cranley, Honora ..... Scottville
Crawford, Irene ..... Ypsilanti
Crego, Gail L. ..... Brooklyn
Crosby, Viva ..... South Lyon
Crout, Bernice B. ..... Brighton
Cross, Josie ..... Bangor
Crossman, Clara ..... Tuscola
Culver, Sheldon E. ..... Milan
Carron, Satie ..... Clarkston

Currie, Essie ..... Richmond
Curtis, Mary F. ..... Dundee
Cutler, Cassie B. ..... Saranac
Davis, May ..... Clinton
Davis, Walter W. ..... Muskegon
Davison, Ethel ..... Detroit
Dean, Lula ..... Ypsilanti
Dean, Winifred S. ..... Saginaw
DeLand, Elmer ..... Flushing
Dennis, Venola ..... Ann Arbor
Devin, Esther ..... Buchanan
DeVries, Florence ..... Manton
Dieterle, Marie ..... Saline
Dietrich, Nellie E. ..... Laingsburg
Dolby, Myrtle ..... Ypsilanti
Duddles, Lottie ..... Ashton
Dunbar, Ruth O. ..... Grand Rapids
Dunham, Sophie ..... Alma
Easterday, Wynn B. ..... Jackson
Easton, Verna D. ..... Dexter
Eder, Helen ..... Chelsea
Eddy, Elsie ..... Plymouth
Eggert, Frederika E. ..... Holland
Egeler, Ethel E. ..... Wayne
Elkins, Blanche ..... Rockford
Elliot, Gaynell ..... Bravo
Ellsworth, Edna ..... Richmond
Evans, Oren F. ..... Shelby
Fair, Ethel D. ..... Ypsilanti
Faulkner, Winifred ..... Grand Rapids
Felton, Florence ..... Dorr
Ferguson, Irene ..... Almont
Ferguson, James Robert ..... Almont
Ferguson, Wallace A. ..... Newton Falls, O.
Ferris, Fannie ..... Eaton Rapids
Fish, Zayda B. ..... Constantine
Fitts, Louise ..... Evart
Foght, A. Marjorie ..... Lake Odessa
Foster, Zora A. ..... Benton Harbor
Fraser, Nana ..... Caro
Francisco, Orra ..... Reed City
French, Anna L. ..... Kalamazoo

Frimodig, Flora V. ..... Calumet
Fuller, Cecile ..... Eaton Rapids
Gary, Lillian ..... Estey
Gaston, Martha G. ..... Meadville, Pa.
Gilman, Elmer S. ..... Eaton Rapids
Glass, Claribel ..... Denton
Godfrey, Minta E. ..... Benton Harbor
Goodhew, Lily E. ..... Ann Arbor
Goldup, Florence ..... Homer
Grant, Eva Agnes ..... Ypsilanti
Greer, Ermah ..... Northville.
Groves, Vera ..... Lodi, Wis.
Hagenbuch, Rosa Belle ..... Three Rivers
Haines, Maude ..... Dundee
Hale, Maude ..... Hesperia
Hall, Carrie A. ..... Ludington
Hall, Frances ..... Rockwood
Hall, Lelia M. ..... Chesaning
Hall, Ruth ..... Alma
Handy, George ..... Owosso
Harley, Dora ..... Ludington
Harley, Mae ..... Defiance, O.
Harlow, Ralph ..... Plymouth
Harnett, Elizabeth ..... Hancock
Harry, Jessie ..... Hubbell
Hartwell, Mary E. ..... Charlotte
Hawley, Ada M. ..... Kalamazoo
Hawthorn, May ..... Bay City
Heald, Marie ..... Hartford
Heilner, Florence ..... Howard City
Heisner, Gertrude ..... Bay City
Henry, Ethel ..... Lexington
Herr, Lela ..... Benton Harbor
Hess Eloise ..... Dundee
Hetchler, Alma D. ..... Howell
Hicks, Bessie M. ..... Allegan
Hill, Lula May ..... Lowell
Hinkle, Isabelle ..... Hillsdale
Holmes, Emma E. ..... Ypsilanti
Hosner, Lena ..... Bellaire
Hopphan, Margaret ..... Lansing
Houle, Anna ..... Rockland
Howard, Alta ..... Concord

Howard, Charlotte M. ..... Jackson
Howe, Alice A. ..... Howell
Hoxie, Lewis ..... Quincy
Hoyle, Edith ..... Cedar Springs
Hughes, Sadie ..... Northville
Hull, Cora ..... Saline
Hunter, Frances ..... Adrian
Hurlburt, Pearl ..... Tawas City
Hutson, Bertha K. ..... Houghton
Huyck, Josephine ..... Clio
Jackson, Edna ..... Davisburg
Jennings, Sarah ..... Eaton Rapids
Johnson, Carl V. ..... Vandalia
Johnson, Lillian ..... Evart
Johnson, Elsie ..... Wyandotte
Jones, Adaline ..... Detroit
Jones, Edna M. ..... Grand Ledge
Jones, Elsie B. ..... Negaunee
Jones, Lucy Cynthia ..... Wick, O.
Jones, Mary ..... Spring Arbor
Jordan, Theodora ..... Flushing
Joy, Mary ..... Millington
Justema, Kathryn ..... Grand Haven
Kay, Jennie M. ..... Brooklyn
Kennedy, Claribel ..... Lansing
Kemler, Flossie ..... Eaton Rapids
Kenyon, Ethel M. ..... Adrian
Kenyon, Merle F. ..... Adrian
Kenzler, Alice R. ..... Saginaw
Kern, Mrs. Mattie ..... Ypsilanti
Kiebler, E. W. D. ..... Brooklyn
Killen, Maria ..... Romulus
King, Ira F. ..... Ypsilanti
King, Viola ..... Eau Claire
Kingsley, Adelaide ..... Flint
Kircher, Irving ..... Webster, N. Y.
Knight, Belle ..... Blissfield
Knight, Lula I. ..... Elsie
Knoll, Jessie E. ..... Dundee
Kohn, Margaret ..... Belding
Kyte, Mabel ..... Saline
Laffrey, Belva ..... Marine City
Laing, Lottie ..... Fenton

Lamb, Lottie V. ..... Fenton
Lathers, Maurice ..... Ann Arbor
Lawrence, Lila May ..... Lowell
Lawton, A. Dora ..... St. Johns
LeClerc, Ida E. ..... St. Ignace
Ledinsky, Blanche ..... Bucyrus, O.
Lee, Donna Catherine ..... Elsie
Lehman, Fred A. ..... Chelsea
Lehman, George ..... Chelsea
Lenhoff, Rose ..... Oxford
Leith, Elizabeth ..... Plymouth
LeSage, Irene ..... Butte, Mont.
Lewis, Clyde ..... Northville
Lewis, Katherine E. ..... Lowell
Lilly, Maude ..... Belleville
Lockwood, Addie ..... Hillsdale
Long, Mabel E. ..... Dearborn
Look, Florence ..... Detroit
Looker, Nellie ..... Ann Arbor
Lowe, Leila M. ..... Adrian
Lownsbury, Mabel C. ..... Ypsilanti
Luten, Jessie ..... Grand Rapids
Lux, Lillian Morgan ..... Mears
Lustfield, Charlotte ..... Crystal Falls
MacDonald, Margaret ..... Au Sable
McAuliffe, Agnes M. ..... Negaunee
McBride, Grace ..... Birmingham
McCall, Maud ..... Escanaba
McCarty, Sara Elinor ..... Saginaw
McClintock, Susie ..... Laingsbury
McIntyre, Bessie ..... Mt. Clemens
McLeod, Lena E. ..... Shepardsville
McMillen, Floy ..... Mendon
McMillen, Mabel ..... Howard City
McNamara, Catherine ..... St. Ignace
McNamara, Mae ..... St. Ignace
Mattison, Jennie ..... Jackson
Mallison, Julia ..... Hesperia
Mann, Lula W. ..... Williamston
Mauk, Verna ..... Bangor
Mapes, Amy M. ..... South Haven
Martin, Rose F. N. ..... Detroit
Matthews, Chas. S. ..... Novi

Maxfield, Maud ..... Bangor
Meyers, Elsie ..... Three Rivers
Mishler, Janet ..... Elkhart
Miller, M. Louise ..... Eaton Rapids
Morgan, Alice B. ..... Stockbridge
Montgomery, Etta ..... Ionia
Monks, John E. ..... Pinckney
Montgomery, Eva ..... Ionia
Morrison, Belle ..... De Witt
Mott, Ethel V. ..... Mayville
Mott, Hattie ..... Mayville
Mowers, Mae Pearl ..... Portland
Mullen, Frances ..... Mass
Munn, Lena ..... Eaton Rapids
Munroe, Bessie E. ..... Portland
Nackerman, Mary J. ..... Elk Rapids
Nagle, Eva ..... South Haven
Nelson, Elsie M. ..... Ypsilanti
Nicholls, Carrie ..... Lake Linden
Nichols, Zoa Mae ..... Saline
O'Connor, Margaret ..... Lapeer
Olds, Nina Sarah ..... Ypsilanti
Olson, Olga ..... Stambaugh
Orr, Lulu ..... North Branch
Osborne, Ina Belle ..... Warren
Owen, Bernice H. ..... Orion
Owen, Mabel F. ..... Orion
Page, Josie ..... Grand Rapids
Parkes, Bessie B. ..... Bangor
Park, Bessie ..... Kalamazoo
Payne, Cynthia E. ..... Owosso
Peake, Ethel E. ..... Portland
Peake, Ora B. ..... Portland
Pearson, Emma ..... Calumet
Pease, Addie M. ..... Burr Oak
Peet, Max M. ..... Iosco
Penoyer, Nellie ..... Bangor
Peters, Edna B. ..... Ypsilanti
Peterson, Bertha ..... Marine City
Pettinger, Benjamin ..... Shelby
Phelps, Ella Hannah ..... Lapeer
Philbrick, Verna B. ..... Mt. Clemens
Phillips, Clara ..... Bangor

Pierce, Edith C. ..... Flint
Potter, Jessie E. ..... Chief
Pound, Emma ..... Fenton
Prentice, Helen M. ..... Pontiac
Prideau, Della ..... Lake Linden
Prine, Howard C. ..... Springport
Purchase, Edna ..... Concord
Purdy, Lulu D. ..... Harbor Beach
Ramsdell, Floy D. ..... Alto
Rawdon, George B. ..... Ypsilanti
Ray, Leah A. ..... Buchanan
Reading, Gertrude C. ..... Flat Rock
Reason, May ..... Pinckney
Rekart, Lucy M. ..... New Lathrop
Rexford, Blanche ..... Ypsilanti
Riddle, Carrie M. ..... Northville
Rivard, Dorothy A. ..... River Rouge
Roehm, Cora ..... Ypsilanti
Romig, Lee V. ..... Dundee
Rorabeck, Lovisa A. ..... Eaton Rapids
Ross, LaVerne ..... Ypsilanti
Ross, Kate ..... Sault Ste. Marie
Rumberger, Millie ..... Ludington
Rutson, Fay ..... Detroit
Sanders, A. J. ..... East Gilead
Sanford, Nellie ..... Onondaga
Schaffer, Bertha ..... Ann Arbor
Schell, Herbert ..... Oxford
Schmitt, Ferdinand H. ..... Sebewaing
Schoolcraft, Earl ..... Kendalls
Schriner, Bertha M. ..... Marine City
Scott, Erman O. ..... Ypsilanti
Seger, Edna Grace ..... Hudson
Sheldon, Hetty ..... St. Clair
Sheppard, Ethelyn Cora ..... Fremont
Simonson, Sophia ..... Whitehall
Sisman, Elsie ..... Port Huron
Smallidge, Clara R. ..... Grass Lake
Smith, Guy C. ..... Tipton
Smith, Isabel ..... Plainwell
Smith, Mabel M. ..... Ypsilanti
Smith, Susan R. ..... Denton
Sprout, Beatrice ..... Pinckney

Stanley, Laura ..... Cadillac
Steere, Elizabeth B. ..... Ann Arbor
Spillane, Cassie M. ..... Durand
Stephens, Bessie E. ..... Stockbridge
Stephens, Leo ..... Milford
Stelwagen, Clara L. ..... Wayne
Stevens, H. Leroy ..... Oxford
Stevenson, Helen ..... Port Huron
Stevenson, Maude ..... Bronson
Stewart, Earl A. ..... Lapeer
Stewart, Florence M. ..... Fostoria, O.
Stringhaw, Ella ..... Eaton Rapids
Strong, Katherine L. ..... Battle Creek
Sturm, Julia J. ..... Clinton
Sturman, Jennie ..... Battle Creek
Sweet, Elizabeth ..... Ypsilanti
Sweet, Nellie ..... Columbiaville
Taggart, Bertha ..... Burr Oak
Taggart, Maud ..... Burr Oak
Tait, Annie C. ..... East Tawas
Taylor, Estelle E. ..... Saginaw
Terpenning, Elza ..... Brown City
Terry, Laura ..... Ortonville
Theel, Sophia ..... Detroit
Thomas, John ..... Ypsilanti
Thomas, Mary ..... Grand Rapids
Titsworth, Mabel ..... Lapeer
Townsend, Olive E. ..... Saline
Travis, Myrtle ..... Clarkston
Turner, Bertha V. ..... Petoskey
Turner, Ruth ..... Jackson
Tyrrell, Maude E. ..... Reading
Uren, B. Ethel ..... Norway
Uren, E. Maud ..... Norway
VanAuken, Bess ..... Hartford
Vandenberg, Frank ..... Grand Rapids
VanHouten, Kitty ..... Portland
VanWormer, Mary Grace ..... Lewiston
Verrier, Rachel ..... Rockland
Vliet, Lucy D. ..... Clarkston
Wagg, Mandana A. ..... Marine City
Waite, Roy ..... Dexter
Walcott, Albert ..... Shelby

Walker, Charles ..... Plainfield
Walker, Ella M. ..... Ovid
Wallace, Josephine ..... Detroit
Walrath, Henrietta ..... Essexville
Walsh, Henry ..... Cedar Springs
Warren, Helene Margaret ..... Houghton
Webster, Charles ..... Metamora
Welden, Carrie ..... St. Ignace
Weller, Erma ..... Rockford
Whalian, Amy ..... Chelsea
Wheelock, Ethel ..... Saranac
Whitbeck, Flora ..... Plymouth
White, Anna ..... Detroit
Wigent, Glenn ..... Camden
Wigent, Zora ..... Watervliet
Wilcox, Cecil C. ..... Benton Harbor
Williams, Harold E. ..... Adrian
Wilson, Hattie ..... Marlette
Wilson, Lulu ..... Oxford
Wilson, Sherman R. ..... Union City
Winters, Elsie M. ..... Manistique
Witherell, Elizabeth ..... Wayne
Wood, Martha ..... Charlotte
Wood, Bessie ..... Charlotte
Wright, Bessie B. ..... Elk Rapids
Wright, Elizabeth ..... Hudson
Wright, Lora ..... Grand Blanc
Yates, Maude ..... Washington
Zach, Mabel ..... Flint

FOURTH YEAR.

Abbott, M. Anna ..... Ovid
Abel, Gretta ..... Ypsilanti
Ackley, Hazel ..... Litchfield
Alexander, Effie ..... Addison
Allen, Eloise M. ..... Milan
Angell, Z. Estelle ..... Novi
Arnold, Louise ..... Saginaw
Austin, Grace ..... Chesaning
Baer, Emma M. ..... Hillsdale
Barber, Mabel C. ..... Plainwell
Barnum, Milly E. ..... Iron River
Bath, W. H. ..... Monroeville

Bechtold, Katie M. ..... Bellaire
Becker, Grace ..... Dexter
Becker, Alma ..... Dexter
Beedle, Bessie ..... Troy, O.
Beeman, Benj. F. ..... Williamston
Benedict, Pearl ..... Ypsilanti
Betteys, Mildred ..... Oxford
Black, Isabella ..... St. Clair
Blue, Bernice B. ..... White Pigeon
Bolles, Cornelia ..... Marshall
Bond, E. Gertrude ..... St. Johns
Bornor, Iva A. ..... Albion
Brockway, Mary E. ..... Allen
Brown, Bess B. ..... Clinton
Brown, Emma M. ..... Richland
Bryant, Myrtis ..... Cheboygan
Burke, E. A. ..... New Boston
Burpee, Belle ..... Harbor Springs
Campbell, Mary E. ..... Fenton
Carlisle, Ethel ..... Shelby
Carolin, Eva M. ..... Detroit
Carpenter, Mary L. ..... Jackson
Champion, Deda E. ..... Three Rivers
Chapman, Irene ..... Ypsilanti
Chestnutt, Rowena ..... Fort Benton, Mont.
Clapp, Susiana ..... Owosso
Clark, Mabel ..... Belleville
Cole, Eva ..... Schoolcraft
Collins, Florence ..... Gregory
Conklin, Rena ..... Charlotte
Connor, Olive ..... Ann Arbor
Cook, Eliza H. ..... Owosso
Cooper, Grace L. ..... Howell
Corazzi, Grace ..... Ypsilanti
Carroll, Jett A. ..... Bay City
Coulson, Blanche ..... Brooklyn
Coy, Florence ..... Mason
Cross, Mabel L. ..... Ypsilanti
Cunningham, Edith L. ..... Marlette
Dansingburg, Eva M. ..... Ypsilanti
Dean, Jeannette ..... Girard
Dean, Susie ..... Ypsilanti
Demorest, Edith A. ..... Belding

Dennis, Rose B. ..... Decatur
Dickey, Pearl ..... Albion
Dixon, Esther ..... Milan, O.
Doench, Katherine ..... Sault Ste. Marie
Dunham, Blanche ..... Ypsilanti
Dunstall, Agatha ..... Maple Rapids
Dunlap, Almina ..... Oxford
Eddy, Celestia ..... Ypsilanti
Eldred, Foss O. ..... Colon
Erb, Grace I. ..... Grand Rapids
Erickson, Helen ..... Whitehall
Erwine, Florence ..... Schoolcraft
Estabrook, Eudora ..... Grand Rapids
Ferrigan, Gertrude ..... Milford
Fisher, Alice C. ..... Oak Grove
Fiske, Anna L. ..... Adrian
Fletcher, Rachel V. ..... Ypsilanti
Foster, George S. ..... Keeler
Frank, Grace ..... Wayne
Gabriel, Edith ..... Owosso
Gabriel, Ina ..... Owosso
Gage, Nina ..... Green Oak
Gangnuss, Frieda ..... Brighton
Garratt, LeVerne ..... Watervliet
Garvey, Minnie ..... Ludington
Gehman, Emma L. ..... Vermontville
German, Carrie B. ..... Ypsilanti
Gibbs, A. Bruce ..... Portland
Godfrey, Edith ..... Jonesville
Goetz, Olga ..... Grand Rapids
Goodreau, Mayme I. ..... Michigamme
Goodson, Laura I. ..... Bay City
Gough, Georgette ..... Adrian
Green, Carlton W. ..... Byron Centre
Haas, Verna ..... Constantine
Harding, Fannie ..... Martin
Harmon, Mary ..... Southfield
Harper, Florence M. ..... Grand Rapids
Harrington, Lena M. ..... Olivet
Harrington, Marguerite ..... Kearsarge
Harrison, Chas. ..... St. Louis
Harrison, Mazie ..... St. Louis
Harrow, Grace M. ..... Algonac

Hawks, Alice ..... Dowagiac
Hayden, Grace ..... Paw Paw
Head, Roy ..... Milan
Heesen, M. Grace ..... Tecumseh
Heitsch, Mae ..... Pontiac
Helm, Pearl ..... Pewamo
Henley, Ellon ..... Jackson
Herald, Roy ..... South Lyon
Hicks, Curry S. ..... Eaton Rapids
Higgins, Stella ..... Bellevue
Hill, Mattie B. ..... Plainwell
Hinchey, Dede ..... Pinckney
Hinsliff, Gail ..... Calumet
Hitchcock, Isa ..... Manistee
Hoag, Adelia ..... Springport
Hobbs, Grace ..... Kalkaska
Hollister, Mabel ..... Tecumseh
Holman, May ..... Rockland
Hoogenstyn, Edith ..... Holland
Hoover, Maud ..... Troy, O.
Horen, Leslie E. ..... Ypsilanti
Howard, Abbie E. ..... Vernon
Howard, Cornelia ..... Ypsilanti
Howland, Katherine E. ..... Sebewa
Hoyt, Lucile ..... Ypsilanti
Hubbard, Mabel ..... Clarkston
Hummel, Linda ..... Ridgetown, Ont.
Hurst, Jeanie B. ..... Henderson
Hyames, Alson ..... Gobleville
Jackson, Wilma ..... Ovid
Jarvis, Genevieve ..... Otsego
Jones, Harry P. ..... Marcellus
Kane, Helen E. ..... Flint
Kauszler, Nora ..... White Pigeon
Keeler, R. F. ..... Detroit
Kelley, James J. ..... Carlton
Kelley, Bessie M. ..... Milan, O.
Kelley, Genevieve ..... Bay City
Kelley, Gertrude ..... Cadillac
Kellogg, Myrta M. ..... Leroy
Kent, Cornelia C. ..... Benton Harbor
Kepler, Frank R. ..... Saginaw, W. S.
Kern, Gertrude L. ..... Ypsilanti

Kingsley, Loretta ..... Flint
Kirby, William G., Jr. ..... Ann Arbor
Knapp, Lena ..... North Adams
Knevels, Madge ..... Clare
Knowles, Clara ..... Ludington
Koehler, Matalena ..... Saginaw
Krebs, Jessie ..... Charlotte
Kuemmerle, Pauline ..... Grand Rapids
Kyle, Erma M. ..... Ypsilanti
Kysor, Dana ..... Kalamazoo
Lamport, Mary ..... Leslie
Langdon, John W. ..... Allen
Larsen, Annetta ..... Whitehall
Lasher, Bertha ..... Fowlerville
Lee, Jessie ..... Ionia
Lennox, Abbie ..... Millington
Lewis, Walter G. ..... Butternut
Little, Lucy E. ..... Kalamazoo
Lindsay, Ida ..... St. Clair
Linebaugh, Calvin ..... Portland
Lonyo, Daisy ..... Detroit
Lord, Mary ..... Albion
Lott, Florence J. ..... Elk Rapids
Lull, Homer B. ..... Ypsilanti
Lusby, Viola J. ..... Ann Arbor
Lyon, Rubena N. ..... Watertown, N. Y.
Lyons, Agatha F. ..... Michigamme
McBain, J. Ford ..... Delton
McClatchie, Myrtle ..... Ludington
McCurdy, Della ..... Troy, O.
McDonald, Catherine ..... Au Sable
McDonald, Philip, Walter ..... Peshtigo, Wis.
McGuinness, Elizabeth ..... Dexter
McGuinness, Maud ..... Hastings
McKillop, Nellie ..... North Branch
McMath, Ellena J. ..... Leslie
McNamara, Mildred ..... Howell
McNeil, Mary ..... Manistique
Mann, Ruth ..... Belding
Marshall, Mae E. ..... South Lyon
Marshall, Savannah ..... Troy, O.
Medill, Alice M. ..... Sault Ste. Marie
Mellencamp, F. A. ..... Grass Lake

Merrill, Wilma.....Benton Harbor
Merritt, Elizabeth .....Rondo
Mickam, Ina I.....Grand Rapids
Miller, Ella .....Detroit
Mills, Ella B.....Ann Arbor
Misener, Agnes .....Flint
Morgan, Jessie .....Sodus
Morris, Rose A.....Cross Village
Morse, Florence C.....Metamora
Moss, Augusta .....Albion
Mowry, Guy L.....Wixon
Murtha, Mildred .....Shepherd
Newberry, Marie A.....Dundee
Newell, Florence E.....Ypsilanti
Neuman, Freeden .....Calumet
Nicholas, Carrie .....Jackson
Noble, Cecelia .....Lowell
O'Brien, Edward L.....Berrien Center
O'Dell, Edna Jessie.....Port Huron
Odgers, Lillian .....Opechee
Oliff, Minnie .....Clio
Olney, Clare .....Leonidas
O'Neill, Julia .....Hubbardston
Orr, Mildred.....North Branch
Osborn, Hugh .....Lapeer
Osborn, Meida B.....Kalamazoo
Parker, Mary .....Traverse City
Patrick, Edith .....Palo
Patrick, Lura Bel.....Allegan
Pattee, Blanche E.....Morenci
Peacock, Louise .....Corunna
Phillippe, Maybelle .....Pontiac
Phillips, Athelia .....Plainwell
Pimlott, Irene .....Detroit
Pittman, Mrs. Lila.....Geneva
Plowman, Rex.....Iron Mountain
Peters, Stella M.....Petersburg
Poorman, L. Clare.....Marcellus
Pope, Antoinette .....Vermontville
Poste, Maude E.....Constantine
Priest, Antoinette .....Evart
Priest, Helen .....Evart
Pullman, Mildred.....Big Rapids

Purcell, Lida.....Iron River
Raidle, A. E.....Charlotte
Randall, Alice M.....Utica
Reed, J. Lewis.....Howell
Reese, E. A.....Bloomingdale
Reynier, Eva.....Grand Rapids
Renwick, May .....Calumet
Reynolds, Emma H.....Rives Junction
Rieve, Verna B.....Grand Ledge
Riker, Riva .....Portland
Roper, Vida Belle.....Redford
Rosewarne, Lura .....Marcellus
Ross, Agnes.....Battle Creek
Royce, Mabel L.....Sault Ste. Marie
Rudd, Allura L.....Ann Arbor
Rush, Nettie E.....Owosso
Rutherford, E. .....Decatur
Sandberg, Linda .....Shelby
Sargent, Bernice .....Ypsilanti
Schaaf, Emma K.....Petoskey
Schmidt, Sara .....Fenton
Scott, Eula .....Lawton
Sharpe, Martha.....Big Rapids
Shelander, Sarah N.....Whitehall
Shields, Madge .....Marlette
Silver, Myrtle .....Ludington
Skinner, Mamie.....Bad Axe
Slattery, Margaret .....Jackson
Smith, A. Ezra.....Tawas City
Smith, Myrtle .....Durand
Smith, Nina G.....Big Rapids
Smith, Ollie E.....Big Rapids
Smith, Velma Rosella.....Lansing
Smith, William B.....Ubly
Snowball, Lizzie .....Milan
Spencer, Zoe .....Linden
Sprague, Roy .....Farmington
Staley, Bertha .....Ypsilanti
Stark, Eliza.....Ann Arbor
Stebbins, Elva E.....Ionia
Stendel, Laura C.....Wayne
Stepan, Lucile.....Traverse City
Stewart, Blanche .....Middleton

Stirling, Helen.....Eaton Rapids
Stone, Bessie E.....Charlotte
Strahle, Eva D.....Owosso
Strahle, Mabel .....Owosso
Struble, Mrs. Mabel.....Ypsilanti
Sturm, Ruth .....Saline
Surine, Mary .....Chesaning
Sweet, Clara .....Ypsilanti
Sweetland, Elma J.....Saline
Sweetland, Nina L.....Saline
Templeton, Grace E. .....Ionia
Thacker, M. Eva.....Elk Rapids
Thomas, Grover .....Ypsilanti
Thornton, James K.....Milan
Tracy, Anna.....Grand Rapids
Travis, Edith M.....Elsie
Travis, M. B.....Clarkston
Trathen, Sidney P.....Houghton
Treiber, Emma .....Niles
Tripp, Nellie C.....Ludington
Troub, Mrs. Minnie.....Ypsilanti
Upthegrove, Clare.....Central Lake
VanDeman, Harriet .....Benzonia
Van Houten, Alice.....Flat Rock
VanHouten, Nettie .....Portland
Vorce, Clara .....Ypsilanti
Wade, Alda M.....Pontiac
Wakefield, Ella E.....Howell
Wallace, Bessie .....Manistee
Wallace, Jessie .....Ann Arbor
Walling, Wilder Levern.....Onaway
Washington, Violet .....Flint
Watrous, Nellie.....Grand Rapids
Watson, Clara.....Three Oaks
Watson, Maude.....Three Oaks
Wellington, Gertrude.....St. Johns
Westphal, Alma W.....Three Rivers
Wheater, Lillian G.....Plainwell
White, Bertha L.....Newaygo
Widoe, Iva .....Hart
Wiggers, J. Albertus.....Zeeland
Wilcox, Edna .....Bellaire
Wilcox, Grace M.....Bellaire

Wilcox, Julia H. ..... Utica
Willey, Edna F. ..... Ypsilanti
Williams, Charlotte ..... Plymouth
Willits, Estella ..... New Haven
Wilson, Theo. J. ..... Ypsilanti
Wilson, U. Stanley ..... Hanover
Winter, Katheryn ..... Niles
Wood, Vivian B. ..... Bangor
Woodward, Alban C. ..... Milan
Woodward, Beatrice ..... Port Huron
Wortman, Lizzie ..... Fenton
Wright, Ina F. ..... Port Huron
Young, Ina B. ..... Otsego
Youngreen, Minnie ..... Whitehall

POST GRADUATES.

Andress, J. Mace ..... Chesaning
Bassett, Edith Kate ..... Novi
Bamborough, Renna ..... Ypsilanti
Butterfield, Frances M. ..... Owosso
Carpenter, Clifford D. ..... Bronson
De Voe, Una E. ..... Ypsilanti
Glas, Albert W. ..... Flat Rock
Holmes, Leo B. ..... Albion
Jensen, Frank ..... Pentwater
Lambie, Anna ..... Ypsilanti
Leinbach, Madge ..... Three Rivers
Paton, Mrs. Grace ..... Ypsilanti
Reinhold, Robert ..... Reed City
Sheppard, Chester A. ..... Fremont
Tripp, C. S. ..... Ypsilanti
Tripp, Mrs. C. S. ..... Ypsilanti
Waldron, John H. ..... Wacousta
Wells, Mrs. H. D. ..... Ypsilanti
Whitney, Ed. ..... Pt. Sanilac

DEGREE STUDENTS.

Andress, J. Mace ..... Chesaning
Bamborough, Renna ..... Ypsilanti
Butterfield, Frances M. ..... Owosso
Carpenter, Clifford D. ..... Bronson
Glas, Albert W. ..... Flat Rock
Holmes, Leo B. ..... Albion
Jensen, Frank ..... Pentwater

Lambie, Anna ..... Ypsilanti
Leinbach, Madge ..... Three Rivers
Reed, Alice E. ..... Big Rapids
Reinhold, Robert ..... Reed City
Sheppard, Chester A. ..... Fremont
Tripp, C. S. ..... Ypsilanti
Tripp, Mrs. C. S. ..... Ypsilanti
Waldron, John H. ..... Wacousta
Whitney, Ed. ..... Port Sanilac

SPECIAL STUDENTS

Barry, F. M. ..... Assyria
Cooley, Mrs. Maude E. ..... Ypsilanti
Copeley, Lu Vada ..... Vandalia
Cox, Mrs. Louise ..... Ypsilanti
Curtis, Edith L. ..... Conneaut, O.
Fulton, C. W. ..... Elizaville, Ky.
Gurtzweiler, Rose M. ..... Deerfield
Hodge, Albert Clare ..... Golconda, Ill.
Lemm, Elizabeth ..... Grass Lake
Major, M. Belle ..... Centerville
Mark, Etta ..... Cass City
Moorhouse, Lily ..... Edenville
MacGregor, Alice ..... Ypsilanti
Phillipps, Donna L. ..... Ypsilanti
Post, Claire M. ..... Monica
Potter, Eva May ..... Manistee
Reynolds, Minnie ..... Hesperia
Smallegan, Dora ..... Central Lake
Smallegan, Henrietta ..... Central Lake
Swain, Jessie ..... Ypsilanti
Travis, Claribel ..... Toledo, O.
Tyler, Luella ..... Rushton
Way, Treesa M. ..... Detroit
West, F. Francis ..... Mt. Pleasant
Williams, Katherine ..... Lapeer
Worden, Vera ..... Ypsilanti
Zwergel, Mary ..... Ypsilanti

CONSERVATORY STUDENTS

Abbott, Grace	Organ	Ovid
Abbott, Anna	Vocal	Ovid
Ackley, Hazel	Vocal	Litchfield

Akey, Bernice	Vocal	Colon
Alexander, Bessie	Vocal	Holt
Alexander, Marjorie	Public School	Cleveland, O.
Allen, Fay	Vocal	Ypsilanti
Austin, Grace	Vocal	Chesaning
Bechtel, Ethel	Music and Drawing	Ypsilanti
Becker, Annie M.	Music and Drawing	Hesperia
Benedict, Pearl	Vocal	Ypsilanti
Benton, Lou	Piano	East Tawas
Bernhard, Mabel	Vocal	Barnesville, O.
Best, Aimee	Music and Drawing	Tingal, O.
Bissell, Maude	Vocal	Ann Arbor
Bliss, Iva	Vocal	Lansing
Boettger, Lydia	Piano	Saline
Boomer, Lydia	Public School	Manchester
Brown, Leverne	Piano	Byron
Brown, Lucile E.	Piano	Ypsilanti
Buell, Rex	Piano	Ypsilanti
Burkle, Augenia		Woodland
Burpee, Belle	Vocal	Harbor Springs
Calahan, Elzina D.	Vocal	Sturgis
Case, Clio	Music and Drawing	Jonesville
Casler, Lizzie	Organ	Calumet
Clarke, Ethel M.	Vocal	Ypsilanti
Clark, Hazel Hall	Vocal	Clinton
Clifford, Mrs. R. A.	Organ	Ypsilanti
Cline, Ester	Elective	Ypsilanti
Coffron, Iva	Music and Drawing	North Branch
Cole, Frances Amy	Piano	Ypsilanti
Cole, Lenna	Vocal and Piano	Burlington
Collins, Kate	Vocal	Gregory
Cook, Milton	Public School	Ypsilanti
Colvin, Dorothy	Music and Drawing	Ypsilanti
Counsell, Ella	Vocal	Howell
Crane, Bertha	Piano	Owosso
Cross, Elnora	Vocal	Bangor
Curtis, Edith	Piano	Willow
Cushman, Ruth	Vocal	Ann Arbor
Colby, Chas. C		Armada
DaRatt, Gracia	Music and Drawing	Ypsilanti
Davis, Bertha	Music and Drawing	Harrison Valley, Pa
Davis, Maud	Vocal	Ypsilanti
DeGreen, Albert	Organ and Piano	Addison

DeMosn, Naomi	Piano	Ypsilanti
Denton, D. L.	Violin	Gregory
DePew,, Inez L.	Piano	Ypsilanti
DeSpelder, Bertha	Vocal	Greenville
Deubel, Dee	Piano	Ypsilanti
Dolby, Mabel	Piano	Ypsilanti
Donohoe, Agnes	Piano	Ishpeming
Donahue, Rose	Piano	Ypsilanti
Dowville, Claudine	Vocal	W. Allis, Wis.
Driesbach, Florine	Violin	White Pigeon
Dean, Jeanette		Girard
Eddy, Elsie	Organ	Plymouth
Egler, Ethel	Vocal	Wayne
Ellison, Ruth	Music and Drawing	Battle Creek
Ellis, Ellsworth	Vocal	Ann Arbor
Erwin, Christine	Piano	Ypsilanti
Etheridge, Mabel	Vocal	Quincy
Fallas, Isabel	Vocal	Grand Rapids
Farrington, Lucie	Vocal	Ypsilanti
Francisco, Orra	Piano	Reed City
Franklin, Elsie	Music and Drawing	Clio
Felton, Florence	Vocal	Dorr
Fuller, Katheryn	Vocal	Fenton
Fulton, Minnie	Piano	Ypsilanti
Garrett, Freda	Piano	Ypsilanti
Gass, Clyde	Vocal	Ypsilanti
Gilman, Anna	Piano	Ypsilanti
Gilman, Elizabeth	Piano	Ypsilanti
Gilmore, Ethel	Piano	Reese
Goetz, Elga	Vocal	Grand Rapids
Gorton, Lyle E.	Piano	Howell
Gray, Mrs. Annis	Vocal	Ypsilanti
Harding, Fanny	Vocal	Martin
Harley, Mae E.	Vocal	Defiance, O.
Harrington, Florence	Piano and Vocal	Brown City
Hart, E. Maud	Vocal	White Pigeon
Hendra, Mrs. Nellie	Vocal	Melvin
Herrick, Waynard	Piano	Ypsilanti
Herron, Edith	Music and Drawing	Port Huron
Hicks, Bessie M.	Organ	Allegan
Hoag, Maude	Vocal	Ypsilanti
Holmes, Burwell	Piano	Durand
Hooker, Bessie	Vocal	South Lyon

Howard, Evalyn	Piano	Stevenville, Mont.
Howard, Charlotte	Vocal	Jackson
Howe, Leone	Piano	Ypsilanti
Howe, Nora B.	Piano	Howell
Hubbard, Caroline	Piano	Ypsilanti
Huntington, Elizabeth	Vocal	Jackson
Jones, Edith	Piano	Ypsilanti
Kennedy, Gladys	Vocal	Ypsilanti
Kimball, Dan	Vocal	Ypsilanti
Kirchhofer, Hugo	Vocal	Manchester
Lambie, Leah	Piano	Ypsilanti
Linebaugh, Calvin	Vocal	Portland
Lux, Marguerite	Vocal	Mears
McCarthy, Joe E.	Vocal	Ypsilanti
McCormack, Grace	Piano	Otter Lake
McMillen, Floy	Vocal	Menden
Mack, Naomi	Piano	Ypsilanti
Magers, Mildred	Piano	Ypsilanti
Magers, Elizabeth	Piano	Ypsilanti
Maxfield, Maude	Vocal	Allegan
Maxson, Leora	Piano	Grass Lake
Mereness, Eugenia	Music and Drawing	Ypsilanti
Metcalf, Rebecca	Piano	Jackson
Miller, Edna Louise	Vocal	Chicago, Ill.
Miller, Elsie	Piano	Ypsilanti
Mills, Susan	Public School	Mason
Minard, Maria	Vocal	Ypsilanti
Muir, Helen	Music and Drawing	Ypsilanti
Mullen, Frances	Vocal	Mass
Murray, Irene	Music and Drawing	St. Ignace
Nackerman, Mary	Piano	Elk Rapids
Newkirk, Nellie	Vocal	Ann Arbor
Nichols, Frances	Public School	Ypsilanti
Nichols, Zoa	Vocal	Saline
Nixon, Rose	Vocal	Bellaire
Nowlin, Alger A.	Piano	Ypsilanti
Nowlin, Nina A.	Vocal	Ypsilanti
Olds, Odella	Vocal	Mt. Clemens
Olsen, Nettie	Vocal	St. Joseph
Overpack, Nellie	Vocal	Manistee
Paque, Natalie	Piano	Chicago, Ill.
Palmer, Mabelle M.	Public School	Lapeer
Payne, Bertha	Piano	Owosso

Pease, Helen	Vocal	Ypsilanti
Peet, Gertrude	Vocal	Chief
Phillips, Ruby	Music and Drawing	Thompsonville
Philp, Martha	Vocal	Constantine
Post, Maud	Vocal	Ubly
Potter, Jessie	Organ	Ypsilanti
Potter, Eva May	Violin	Iosco
Quigley, Madge	Piano	Ypsilanti
Reynolds, Ione	Music and Drawing	Paw Paw
Riggs, Margaret Fay	Piano	Ypsilanti
Rieman, Louise E.	Vocal and Piano	Metamora
Rogers, Myrtelle	Piano	Ypsilanti
Ross, Lucile	Vocal	Ypsilanti
Ross, Le Vern	Violin	Ypsilanti
Russell, Agnes	Piano	Ypsilanti
Ryan, Agnes E.	Vocal	Ann Arbor
Sayers, Hazel	Music and Drawing	Mt. Pleasant
Seligman, Jane	Vocal	Kalamazoo
Shaw, Eva	Music and Drawing	Ann Arbor.
Shay, Abby	Piano	
Showers, Frank	Vocal	Ypsilanti
Shields, Luella	Vocal	Marlette
Shutts, Genevieve	Music and Drawing	Ypsilanti
Slaysbough, Velma	Piano	Camden
Smafield, Myra B.	Vocal and Piano	Brown City
Stellwagen, Clara		Wayne
Smith, Ruth	Piano	Ann Arbor
Spaulding, Laura	Vocal	Lyons
Sprague, Augusta	Piano	Thompsonville
Stellwagen, Louise	Vocal	Wayne
Stewart, Edith	Piano	Pigeon
Stewart, Florence	Piano	Fostoria
Stowe, Clella	Vocal	Webberville
Struble, Mrs. Mabel	Piano	Ypsilanti
Sturm, Ruth	Vocal	Saline
Sullivan, Bessie	Piano	Mackinac
Thorburn, Dollie	Piano	Holt
Trabilcox, Letha A.	Piano	Ypsilanti
Trathen, Sidney P.	Vocal	Houghton
Vroman, Erma	Music and Drawing	Vicksburg
Waterman, Leone	Violin	Ypsilanti
Waters, Lucretia	Vocal	Ypsilanti
Way, Treesa	Vocal	Detroit

Weiffenbach, Rosetta	Piano	Bellaire
Weston, Genevieve	Vocal	North Branch
Wheeler, Jessie	Public School	Union City
Wheeler, Sadie	Music and Drawing	Manton
Wiggers, Albertus J.	Vocal	Zeeland
Wilkenson, Myrtle Hornung	Violin	Howell
Williams, Abbie	Piano	Ypsilanti
Willitts, Estella	Vocal	Ypsilanti
Wilson, Cora	Vocal	Ypsilanti
Wilson, Florence	Piano	Ypsilanti
Wilson, Stanley	Vocal	Hanover
Wilton, Ada B.	Music and Drawing	Flint
Wines, Leon B.	Vocal	Howell
Woolsey, Jennie	Piano	Ypsilanti
Woolsey, Lulu	Piano	Ypsilanti
Witmire, Anthony		Ypsilanti
Woolsey, Olive	Piano	Ypsilanti
Van Cleve, Antoinette		Ypsilanti
Ziegler, Ella	Piano	Ypsilanti

POST GRADUATES

Brabb, Clara A.	Piano and Organ	Ypsilanti
Beardsley, Belle	Piano	Ypsilanti
Doud, Maude N.	Vocal	Ypsilanti
George, May O.	Organ	Ypsilanti
Gareissen, Isabella	Vocal	Ypsilanti
Gibson, Mamie	Piano	Ypsilanti
Smith, Lorinda E.	Vocal and Piano	Marlette
Winton, Clair J.	Piano	Williamston

STUDENTS ENROLLED IN SUMMER SCHOOL—JULY, 1904.

Abbott, Eva ..... Saginaw
Abel, Alma U. ..... Menominee
Adams, Nellie M. ..... Ionia
Agnew, Mary R. ..... Hillsdale
Alderman, Decola ..... Muir
Alexander, Mary L. ..... Sanilac Center
Allen, Lottie D. ..... Albion
Allison, Grace E. ..... Cheboygan
Amidon, Mary P. ..... Painesville, O.

Anderson, Florence ..... Bronson
Angell, Ada ..... Fenton
Andrews, Louise ..... Grand Haven
Antons, Amalia ..... Marine City
Arehart, Ira Joseph ..... Martin
Arnold, Louise ..... Ypsilanti
Atkinson, Frank H. ..... Reese
Avery, Lillian ..... Adrian
Babbitt, Jean M. ..... Ypsilanti
Babcock, Cecil Anna ..... Port Huron
Bachelor, Nellie ..... Marcellus
Bacon, Beatrice ..... Chelsea
Bahel, Grace ..... Onaway
Baird, Iva ..... St. Clair
Baker, Abigail B. ..... Flint
Baker, Louise ..... Townley
Baker, Mayme ..... Fenton
Baldwin, Edyth ..... Auburn
Barnby, Eleanor A. ..... Caro
Barnard, Jennie M. ..... Grand Rapids
Bartlett, Alice ..... Port Hope
Barnum, Millye ..... Iron River
Bascom, Agnes ..... Montgomery
Bassett, Irving ..... Wyandotte
Bassett, Kate ..... Birmingham
Bates, Leroy W. ..... Wausen
Bates, Mary I. ..... River Rouge
Bath, W. H. ..... Monroeville, O.
Baty, Minnie ..... Saline
Baxter, Elizabeth ..... Ypsilanti
Baylis, Bertha ..... Jackson
Beach, Malina Louise ..... Clayton
Beard, Adele Genevra ..... Ft. Scott, Ark.
Beatty, S. V. ..... Ypsilanti
Bechtel, Ethel ..... Ypsilanti
Beebe, Floy ..... Nashville
Beebe, Marcia ..... Nashville
Benedict, Juna ..... Vermontville
Bennett, Alice ..... Stanton
Bennett, Blanche L. ..... New Hudson
Bennett, Glenna ..... Arcanum, O.
Berger, Wm. R. ..... Marine City
Bergin, Catharyn ..... Howell

Bergin, J. Dolly.....Howell
Bidwell, Mrs. Lizzie L.....Lawrence
Bidwell, May.....St. Charles
Billings, Carrie E.....Flint
Bissell, Maude.....Ann Arbor
Black, Bessie.....Whitehall
Blackney, Mabel.....Clio
Blanchard, Lotta.....Adrian
Blodgett, Caroline.....Ludington
Boardman, Martha.....Perry
Bonine, Mabel A.....Vandalie
Boston, Flora R.....Nashville
Bowers, Mattie E.....Charlotte
Boyd, Carlie M.....Painesville
Boyd Elizabeth.....Fort Smith, Ark.
Boyle, Ella.....Grand Ledge
Bradley, Alta.....Russellville
Brady, Julia.....Pinckney
Brakeman, Elva Lucy.....Geneva, O.
Breckenridge, Sylvia.....Marine City
Brennan, Margaret.....Detroit
Breslin, Maurine.....Greenville, O
Brewer, Nettie.....Parma
Bright, Alma A.....Port Hope
Brodhead, Daisy.....Decatur
Broesalme, Anna.....Greenville
Brooks, Alla.....Russellville
Brown, Alice.....Charlotte
Brown, Ida M.....Flushing
Brown, Naomi.....Yale
Brown, Rachel A.....Newberry
Brown, Violet A.....Jackson
Brown, Zoe Shirley.....Ottawa, O.
Bryce, Evelyn E.....Pinconning
Bryan, Fred C.....Mt. Morris
Bryan, Harry W.....Mt. Morris
Bryant, Lovia.....Escanaba
Bryant, Marcia Lena.....Port Huron
Bryant, Myrtis L.....Cheboygan
Bulge, Arthur A.....Burnips Corners
Burke, E. A.....New Boston
Burleson, Elizabeth.....Swartz Creek
Burns, Alfredia M.....Muskegon

Burns, Rachel ..... Cassopolis
Burt, Floy ..... Laingsburg
Burt, Miles R. ..... Laingsburg
Bustine, Anna ..... Roby, Ind.
Butler, Clarence ..... Rogerville
Butler, Martha ..... Detroit
Byrnes, Nellie ..... Laingsburg
Calahan, Edna L. ..... Sturgis
Calahan, Elzina R. ..... Sturgis
Calhoun, Gertrude ..... St. Clair
Calkins, Amy D. ..... Detroit
Calkins, Mildred ..... Tuscola
Calkins, Nola ..... Lowell, Ind.
Cameron, Bessie A. ..... Port Huron
Campau, Agnes N. ..... Ecorse
Campbell, Celia ..... Troy, O.
Campbell, Katherine ..... Lawrence
Campbell, Margaret ..... Defiance, O.
Carpenter, Beulah M. ..... Sebewaing
Carpenter, Frank M. ..... Romeo
Carpenter, G. C. ..... Mendon
Carr, Clara Lorena ..... Dundee
Case, Marcus George ..... Ypsilanti
Castle, Lucretia ..... Lowell, Ind.
Caverly, Bernice ..... Vassar
Chamberlain, C. L. ..... North Adams
Chamberlain, Mrs. Pearl ..... North Adams
Chapin, Alice C. ..... Eden
Chapman, M. Ferne ..... Grand Ledge
Chapman, Rene ..... Ypsilanti
Church, Winifred ..... Sturgis
Clapp, Frances ..... Owosso
Clapp, Susiana ..... Owosso
Clark, Mary M. ..... Clinton
Clark, Sereno B. ..... Union City
Cobb, Laura ..... Jackson
Colbath, Carrie Elizabeth ..... Clayton
Colbath, Florence ..... Clayton
Colby, Grace M. ..... Armada
Cole, Maude ..... Owosso
Combs, Ida ..... Ypsilanti
Congdon, Nellie G. ..... Chelsea
Connor, Mae ..... Muir

Cook, Lucinda.....Baltimore, Md.
Cooke, Jessie.....Conneaut, O.
Cooper, May Edith.....Deford
Corbett, Frances M.....Mansfield
Corner, Katherine .....Jeddo
Cornish, Hubert R.....Saline
Cornwell, Matie P.....Ann Arbor
Corazzi, Grace .....Ypsilanti
Coulson, Blanche .....Ypsilanti
Covey, Linnie Gladys.....Rogers
Cowan, L. Loana.....Blissfield
Cox, Mrs. Louise.....Ypsilanti
Coy, Florence .....Mason
Craft, Mabel .....Davisburg
Cramblet, Mabel.....Muskegon Heights
Cramer, Inez A.....Fenton
Cranston, Elsie .....Fenton
Crawford, Clara A.....Detroit
Crawford, Lua R.....Saranac
Crittenden, Florence D.....Ypsilanti
Cross, Elnora .....Bangor
Cross, Mabel L.....Ypsilanti
Culbertson, Ethel .....Charlotte
Culp, Gertrude .....Constantine
Cunningham, Edith S.....Marlette
Curtis, Susie M.....Watervliet
Dake, Nora F.....Milford
Danskin, Helen L.....West Bay City
Davidson, Susie H.....Novi
Davis, Ethel .....Lowell, Ind.
Davis, Etta .....Sunfield
Davis, Eva .....Sunfield
Davis, Lucy .....Clio
Davis, George Leverne.....Clinton
Davis, Ira W.....Fowlerville
Dayton, Willard E.....North Branch
Deam, Effie .....Ypsilanti
Dean, Lena .....Owosso
Dean, Jeanette G.....Girard
De Greene, Mrs. May.....Addison
Dehn, Anna Marie.....Holland
Dell, Mina .....Corunna
Dennis, Philip E.....Reed City

Dennis, Rose B.....Decatur
De Pew, Inez L.....Ypsilanti
De Roche, Bertha M.....Rosen
Devin, Esther .....Buchanan
De Vove, Minnie E.....Perry
De Vries, Florence.....Manton
Dickinson, Florence.....Grand Haven
Dieterle, Marie .....Saline
Dietrick, Nella E.....Laingsburg
Dixon, Mrs. Walter.....Ypsilanti
Dodge, Beatrice .....Almont
Dolan, Alice M.....Duluth, Minn.
Dolan, Cathryn .....Flint
Dolan, Willietta E.....Duluth, Minn.
Dolby, Myrtis .....Ypsilanti
Donegan, Elizabeth .....Newberry
Donough, Helen J.....Cassopolis
Dougherty, Anna Mott.....Marlette
Drohan, Agnes .....Montague
Dumphy, Bessie .....Crosswell
Dunlap, Almina .....Oxford
Durham, Mabel .....Rockland
DuVall, Neva .....Coloma
Dwyer, Mary.....Fort Smith, Ark.
East, Sophia.....Ann Arbor
Ebner, May A.....Drayton Plains
Eddy, Celestia .....Ypsilanti
Edwards, Mary E.....Detroit
Egler, Mabel .....Wayne
Eichelbarger, Nelle.....Arcanum, O.
Eldred, Estella .....Climax
Ellis, Lucy .....Washington
Ellis, Rose .....Ypsilanti
Emery, Annah E.....Hammond, Ind.
Ennis, Sarah .....Birmingham
Erickson, Arthur G.....Whitehall
Evans, Anna L.....Lowell
Fairchild, Carrie M.....Chelsea
Farwell, Cecil Ella.....Port Huron
Fedens, Nina .....Flint
Ferguson, Jean M.....Almont
Ferris, Effah .....Whitehall
Finton, Grace .....Ypsilanti

Fish, Mayme E.....Bancroft
Fletcher, Rachel V.....Ypsilanti
Fohey, Helen C.....Ann Arbor
Fohey, Honora A.....Pinckney
Foley, May .....Petoskey
Forest, Elizabeth V.....Flint
Forest, Margaret G.....Flint
Former, Emma .....Chelsea
Foster, Mrs. Emma H.....Carlisle, Pa.
Foster, George H.....Keeler
Foster, Hattie.....Lowell, Ind.
Foster, Josephine M.....Chelsea
Foster, Lute E.....Tekonsha
Foster, Stella .....Lowell, Ind.
Fowler, Bessie.....Eaton Rapids
Francis, E. Anita.....Lake Odessa
Freligh, Mary .....Flint
French, Jessie .....Romeo
Fribley, Sarah E.....Big Rapids
Frostic, Fred Watson.....Sanilac Center
Frostic, Mrs. Sara A.....Sanilac Center
Frutig, Bertha .....Delray
Fullerton, Winifred .....Otsego
Gabriel, Edith .....Owosso
Gabriel, Ina .....Owosso
Gainesley, Grace L.....Manchester
Gallagher, Alice E.....Portland
Galleher, Ethel .....Three Rivers
Galleher, Nina.....Three Rivers
Galusha, Florence .....Olivet
Gangnuss, Frieda .....Brighton
Gardner, Donna .....Coldwater
Gardner, Sara A.....Medina
Garey, Marion .....Saginaw, W. S.
Gaul, Theodore J.....Tawas City
Geiger, Pauline.....Mt. Pleasant
Gibbs, A. Bruce.....Portland
Gillett, Luie .....Springport
Gillett, Mabel Electa.....Springport
Goite, Mary Elsie.....Waterford
Goodrich, Edna F.....Tuscola
Goodwin, Mary I.....Ashtabula, O.
Goodwin, Rhea .....Colon

Gould, Hattie ..... Olivet
Graham, Edna Beatrice..... Woodmere
Green, Edith Mary..... Pittford
Green, Jessie Nevada..... Pinckney
Greenwood, Ethel ..... Owosso
Greenslade, Georgiana..... Bellevue, O.
Gregory, Anna ..... Saline
Grettenberger, Rose ..... Okemos
Grierson, Mary L..... Laurim
Griffin, Rachel ..... Marlette
Grocock, Emma A..... Menominee
Haase, Nellie E..... N. Detroit
Haines, Maude ..... Dundee
Hale, Maude ..... Hesperia
Hale, Pearl ..... Hesperia
Hall, Marian Jessie..... Prairieville
Hamilton, Bessie ..... Alpena
Hammond, Leo ..... Vermontville
Hardcastle, Lottie L..... Brooklyn
Harger, Lena L..... Pontiac
Harper, Edith ..... Ypsilanti
Harper, Florence M..... Grand Rapids
Harper, Herbert H..... Ypsilanti
Harriman, Ida ..... Snover
Harrison, Celeste ..... Monroe
Hawkes, Jessie M..... Galesburg
Hawley, Blanche ..... Caro
Haynes, Fannie H..... Grass Lake
Hayward, Jason J..... Morocco
Hazel, Nellie ..... Brimley
Heiniger, Alta K..... Elkhart, Ind.
Hemmings, Nellie B..... Toledo, O.
Hempstead, Mary ..... Albion
Hendra, Mrs. Nellie..... Melvin
Hendry, Frank ..... Ypsilanti
Henne, Ezra S..... Boyne City
Henry, Marian..... Russellville, Ark.
Herald, Roy..... South Lyon
Hermann, Ida M..... Monroe
Herriman, Nellie M..... Bloomingdale
Herron, Edith M..... Port Huron
Hickman, Blanche ..... Ypsilanti
Higgins, Stella ..... Bellevue

Hitchcock, Harriet.....Hilo, Hawaii
Hobbs, George W.....Minden City
Hobbs, Grace .....Kalkaska
Hogan, Harriet B.....Port Huron
Holcomb, Edith.....Traverse City
Holmes, Herbert .....Ypsilanti
Holmes, Nellie L.....Ypsilanti
Holt, Minnie.....Marine City
Holt, Nellie A.....Geneva, O.
Honeyman, Mabel E.....Vandalia
Hoogenstyn, Edith .....Holland
Hoolihan, Rilla .....Reading
Hopphan, Florence.....No. Lansing
Hopphan, Margaret.....No. Lansing
Horn, Mary.....Imlay City
Howard, Bessie .....Ypsilanti
Howard, Charlotte M.....Jackson
Howard, Evalyn.....Stevensville, Mont.
Howard, Nina M.....Bancroft
Howe, M. Mabel.....Homer
Hoyt, Cheever.....Walled Lake
Hubbard, E. J.....Wixom
Hull, Cora .....Saline
Hume, Helen Irene.....Corunna
Hunter, Clare S.....Ypsilanti
Hurst, Jeannie B.....Henderson
Husted, Sadie M.....Vassar
Hutson, Agnes .....Calumet
Hyde, Bessie.....Eaton Rapids
Hynes, Catherine .....Clayton
Iles, Kittie B.....Allen
Isbell, W. N.....Fowlerville
Jackson, Gertrude E.....Pontiac
Jacokes, Laura P.....Middleville
James, Myrtle .....Caro
Janes, Lionel Leroy.....Coloma
Jardine, Alice D.....Chicago, Ill.
Jarvis, Genevieve E.....Otsego
Jerome, Grace Blanche.....Evart
Jilek, Frances F.....Menominee
Johnson, Coral J.....Union City
Johnson, Mary .....Fenton
Johnson, Maud .....Parma

Jones, Adaline ..... Detroit
Jones, Aimee M..... Milan
Jones, Alice E..... Niles
Jones, Elsa ..... Wyandotte
Jones, Kathryn ..... Adrian
Jones, Mabel T..... Coldwater
Judson, D. C..... Montgomery
Kaiser, Minnie J..... Bellevue, O.
Kaltz, Elizabeth ..... Detroit
Keal, Harry M..... Dexter
Kehoe, W. J..... Tawas
Keller, A. F..... Detroit
Kelley, Gertrude ..... Cadillac
Kelley, Katherine ..... Hartland
Kelly, Katherine C..... Grand Haven
Kelley, Laura P..... Port Hope
Kellogg, Marian ..... Nashville
Kellogg, Myrta M..... LeRoy
Kennedy, Grace B..... Hastings
Kent, Ettroile ..... Flint
Kerr, Anna G..... Birch Runn
Kimball, Alice Putnam..... Grand Rapids
Kirby, William G..... Galesburg
Kirk, Mattie ..... Vassar
Kirk, Sadie R..... Fairgrove
Klimzinger, Julia ..... Williamston
Klinefelter, Clara..... Marion, O.
Klingman, Frederika..... Ann Arbor
Klumph, Essey ..... Detroit
Kniffen, Claude L..... Britton
Knight, Ernest E..... Elsie
Knoll, Jessie E..... Dundee
Knopf, Anna Sibyl..... Blissfield
Knowles, Clara M..... Ludington
Krause, P. Caroline..... Ann Arbor
Kunkel, Hazel B..... Piqua, O.
Kurtz, Edward E..... Blissfield
Kyle, Erma M..... Tecumseh
Kysor, Dana ..... Cadillac
Kyte, Mabel ..... Saline
Lake, James G..... Sault Ste. Marie
Lamb, Lottie L..... Fenton
Lamb, Alice E..... Townley

Lambie, Anna ..... Ypsilanti
Lane, Carolyn ..... Millington
Lang, Marion ..... Lansing
Langwell, Catherine ..... Marine City
Laraway, Lou Gertrude ..... Plymouth
Larson, Annette ..... Whitehall
Lasher, Bertha M. ..... Fowlerville
Laughlin, Ethel ..... Reading
Lavey, Laura ..... Pinckney
Lawson, Laura ..... Weston, W. Va.
Learn, Lottie V. ..... Marlette
Lee, Amelia Louise ..... Laingsburg
Leitch, Mabel ..... Greenville, O.
Lemm, Alta ..... Grass Lake
Lemm, Elizabeth ..... Grass Lake
Lemond, Annie R. ..... Fort Smith, Ark.
Lennox, Abbie Leone ..... Millington
Lightfoot, A. B. ..... Big Rapids
Linton, Margaret ..... Tecumseh
Lloyd, Alice ..... Sturgis
Locke, Evelyn ..... Morrice
Lockhart, Alma ..... Ypsilanti
Lockhart, Beatrice ..... Ypsilanti
Longenecker, Anna M. ..... Otsego
Lonyo, Daisy E. ..... Detroit
Loomis, Alberta ..... Howell
Lord, Elsie C. ..... Byron
Lord, Mildred A. ..... Byron
Lozen, Grace E. ..... River Rouge
Lucas, Daisie Dean ..... Kalamazoo
Luce, C. Burt ..... Blissfield
Lusby, Viola Jocelyn ..... Ann Arbor
Lyon, Florence Ruth ..... Calumet
Maegle, Minnie ..... Ypsilanti
Magary, May G. ..... Richmond
Mahon, Dora W. ..... Charlotte
Major, Clara L. ..... Milford
Mantle, Nellie ..... Elgin, O.
Markham, Anna ..... Eaton Rapids
Marsh, Florence ..... South Haven
Martin, Clementine E. ..... Big Rapids
Martin, Lulu ..... Portland
Marvin, Sarah M. ..... Mansfield

Mason, Nannie.....Fort Smith, Ark.
Matson, Bessie .....Montague
Mears, Mary .....Flint
Mellencamp, Fred A.....Grass Lake
Mereness, Eugenia .....Ypsilanti
Merigold, Jessie A.....Port Huron
Middleton, Mabelle .....Clayton
Miers, Horace Alvan.....Washington
Millard, Charlotte L.....Ann Arbor
Miller, Ella .....Detroit
Miller, George B.....Tekonsha
Miller, Mary L.....Eaton Rapids
Miller, Minnie.....Saginaw, E. S.
Miller, Rosa May.....Lorain, O.
Milliken, Bruce .....Saginaw
Mills, Cora .....Peck
Mishler, Janet.....Elkhart, Ind.
Moden, Austin E.....Brooklyn
Moeller, Julius .....Hillsdale
Mohr, Eva .....Blissfield
Monk, Lizzie A.....Gregory
Monks, Lela .....Pinckney
Montague, Etta .....Ovid
Moon, Lizzie .....Brunswick
Moore, Marie M.....Elmer
Moore, Mira T.....Eaton Rapids
Moorhouse, Gertrude .....Edenville
Morgan, Catherine .....Ypsilanti
Morris, Eva .....Belding
Morris, Wilbert.....Cross Village
Morrison, Leta A.....Coopersville
Morrison, Lulu A.....Crystal Falls
Morton, Minnie M.....Marlette
Moss, Augusta .....Albion
Moulthrop, Grace.....South Haven
Moyer, May .....Williamston
Mudridge, Ida L.....Rochester
Muir, Katheryn .....Milford
Mulder, Ella.....Spring Lake
Mulder, Mary.....Spring Lake
Myers, Sarah.....Marion, O.
MacGregor, Alice .....Ypsilanti
McBride, Anna .....Niles

McCall, Grace ..... Milford
McClintock, Susie N. ..... Laingsburg
McCloe, Maude B. ..... Detroit
McClue, Edna E. ..... Detroit
McClue, Hester L. ..... Charlotte
McConnell, Jennie ..... Jackson
McCreery, Mrs. Leslie ..... St. Johns
McCullough, Inez ..... Milford
McDowell, Alma ..... Millington
McGinn, Patience ..... Hubbardston
McGinness, Mary D. ..... Pontiac
McGreaham, Inez E. ..... Saginaw
McGregor, Mrs. Cora ..... Camden
McGuiness, Elizabeth ..... Dexter
McIntyre, Edith ..... Kawkawlin
McKee, Winifred ..... Kalamazoo
McKenzie, Sarah C. ..... Yale
McKibbon, May Emily ..... Lansing
McKillop, Nellie ..... North Branch
McLeish, Florence M. ..... Marlette
McMartin, Nellie ..... Plainwell
McMillan, Emma D. ..... Muskegon
McNab, Jessie C. ..... Calumet
McNamara, M. Catherine ..... St. Ignace
Nemire, Alice ..... Grand Haven
Nesbitt, Irene ..... Sault Ste. Marie
Neuman, Freeden ..... Calumet
Newell, Florence E. ..... Ypsilanti
Nichols, Winifred ..... Flushing
Niebling, Emma C. ..... Okemos
Nixson, Bertha ..... Coldwater
Norton, Grace B. ..... Muskegon
Nott, Nellie M. ..... Pontiac
O'Dell, Edna Jessie ..... Pt. Huron
Oliver, Flossie F. ..... Camden
O'Neill, Julia ..... Hubbardston
O'Neill, Vernie ..... Hubbardston
Orcutt, Grace B. ..... Utica
O'Reilly, Alice ..... Tecumseh
Osborn, Mary ..... Marlette
Oviatt, Rena May ..... Auburn
Owen, Mrs. Lina ..... Ypsilanti
Pack, Helen ..... Bancroft

Padley, Edna ..... Milford
Paine, Ada M. ..... Milan
Palmer, Marian A. ..... Hudson
Parkins, Almon E. ..... Battle Run
Parks, Agnes, Purcell ..... Elk Rapids
Parmalee, Elizabeth ..... Morrice
Parmalee, Ella May ..... Elyria, O.
Patrick, Lura B. ..... Allegan
Partridge, Fannie E. ..... Grand Rapids
Pawrie, M. Alice ..... St. Clair
Payne, Gertrude J. ..... Coopersville
Payne, Ruby Satira ..... Coopersville
Peck, Gertrude W. ..... Belding
Peck, Mildred B. ..... Detroit
Penoyer, Bessie B. ..... Bangor
Pepper, Margaret ..... Holly
Perkins, Annie M. ..... Memphis
Pew, Reah E. ..... Ypsilanti
Pfenning, Elmira ..... Lima, Ind.
Philips, Allie ..... Vermontville
Phillips, Donna L. ..... Ypsilanti
Phillips, Lillie M. ..... Cheboygan
Phipps, Bernice ..... Hartland
Pickett, Kittie ..... Milford
Pinney, Katherine M. ..... Flint
Pittman, Mrs. Lila ..... Ypsilanti
Pixley, Van Neattia ..... Hudson
Pohatski, Minnie ..... Fort Smith
Potter, Horace E. ..... Grand Blanc
Powers, Della ..... Charlotte
Prather, Grace ..... Dayton, O.
Pratt, Agnes ..... Dexter
Preble, E. F. ..... Niles
Prentice, Mary K. ..... Steubenville, O.
Prescott, Alice ..... Vermontville
Price, Effie C. ..... Watervliet
Prindle, Mary ..... Charlotte
Pugsley, Earl C. ..... Paw Paw
Pulford, Lillian G. ..... Ashley, O.
Purcell, Lida ..... Iron River
Purfield, Helen ..... Ann Arbor
Purnell, Julia Anna ..... Washington, D. C.
Purtell, Catherine M. ..... Ann Arbor

Quackenbush, Alice.....Grand Ledge
Quackenbush, Belle.....Imlay City
Quackenbush, Retta.....Bangor
Quigley, Madge.....Ypsilanti
Quinlan, Blanche C.....Detroit
Raab, Oscar.....Burnips Corners
Rademacher, Alice R.....St. Clair
Raferty, Helena M.....Grand Rapids
Ramsdell, Floy D.....Alto
Randall, Alice M.....Utica
Randall, Charlotte.....Beloit, Wis.
Rawdon, George B.....Ypsilanti
Rawdon, Harry.....Ypsilanti
Reddering, A. A.....Drenthe
Reed, Ernest J.....Ypsilanti
Reed, Lulu A.....Montgomery
Reese, E. A.....Bloomingdale
Reinhold, Robert.....Reed City
Reinhart, Gertrude.....Elkhart, Ind.
Renwick, May E.....Calumet
Reynolds, Carrie.....Tompkins
Reynolds, Erma H.....Rives Junction
Rice, Sarah.....Adrian
Richardson, Julia M.....Jamestown
Richart, E. L.....Macon
Rieve, Verna B.....Grand Ledge
Riggs, May.....Belleville
Ringle, Eleanor.....South Bend
Rivett, Byron J.....Shepherd
Robb, Agnes.....Oak Grove
Robb, Isabel.....Oak Grove
Robb, Susan.....Detroit
Robbins, Agnes May.....Robbins Station, Pa.
Roberts, Bertha.....Reed City
Roberts, Lydia Jane.....Martin
Robertson, Edith May.....Ionia
Robertson, Margaret.....Grand Haven
Roche, Loretta G.....Ashtabula, O.
Rogers, A. R.....Jasper
Rogers, Lida.....Montague
Rolph, Nellie.....Eaton Rapids
Romig, Lee V.....Monroe
Rood, Mary C.....Detroit

Rooks, Genevieve M. ..... Arcanum, O.
Root, Bessie ..... Plymouth
Root, Mabel ..... Plymouth
Root, Rosamond ..... Breedsville
Roper, Vida Belle ..... Redford
Ross, Bertha A. ..... South Haven
Ross, Ethel Mae ..... South Haven
Ross, M. Ellen ..... Addison
Ross, Esther A. ..... Calumet
Ross, William H. ..... Rosebud, S. Dakota.
Rowley, Edith M. ..... Hanover
Royce, Mabel ..... Ypsilanti
Rudd, Allura L. ..... Ann Arbor
Rusch, Edwin S. ..... Carleton
Russell, Will G. ..... Eau Claire, Wis.
Ruth, Kate Leslie ..... Benton Harbor
Ryan, Agnes E. ..... Ann Arbor
Ryerson, Grace L. ..... Holton
Salliotte, Alma M. ..... Ecorse
Salliotte, Gertrude ..... Ecorse
Sanders, Luretta ..... Charlotte
Sargent, Bernice ..... Ypsilanti
Sawdon, Jonas ..... Chevington
Schaefer, Lenna ..... Ypsilanti
Schell, Belle ..... Cass City
Schlenter, Otto ..... Minden City
Schmal, Rose H. ..... Crown Point, Ind.
Schrieber, Agnes ..... Saxony, Ind.
Schultz, Minnie ..... Crown Point, Ind.
Schweinhagen, Herman D. ..... Ridgeville Corners, O.
Scofield, Blanche ..... Perry
Scolon, Margaret ..... Fowlerville
Scott, Lettie M. ..... Marine City
Scott, Margaret Hay ..... Ashtabula, O.
Seabury, Cora M. ..... Watervliet
Sears, Janette ..... Elyria, O.
Sears, Katherine ..... Saline
Seibert, Claude Glenn ..... Caledonia
Sellors, Lucile ..... South Haven
Shadd, Marion Purnell ..... Washington, D. C.
Shattuck, Alice ..... Pontiac
Shaw, Lena ..... Ypsilanti
Sheffield, Mary E. ..... Adrian

Sheldon, Lulu Belle.....Norwalk, O.
Sherlock, Vern C.....Mears
Sherrard, Anna.....Homer
Shields, Luvella.....Marlette
Shields, Madge.....Marlette
Simons, Annie.....Ypsilanti
Simonson, Alexander C.....Ubly
Skinner, Emaline M.....Pontiac
Skinner, Mamie.....Bad Axe
Slough, Flora.....Marion, O.
Smafield, Myra B.....Brown City
Smith, A. Theresa.....Detroit
Smith, Annie.....St. Charles
Smith, Clara L.....Detroit
Smith, Ermina B.....Lansing
Smith, Florence E.....Saginaw
Smith, Frances Velma.....Delray
Smith, Guy C.....Tipton
Smith, Ida Jane.....Ashley, O.
Smith, Libbie M.....Clarkston
Smith, Nelle.....Walled Lake
Smith, Ora L.....Paw Paw
Smith, Park, H.....Fayette, O.
Snedicor, Jennie M.....New Orleans, La.
Snowball, Lizzie M.....Milan
Snyder, Franklin Delos.....Yeddo
Snyder, Olive J.....Piqua, O.
Somers, Minnie E.....Vickeryville
Son, Rose.....Trenton
Soules, Fanny D.....Reed City
Spore, Viva.....Union City
Sprague, Gertrude.....Douglas
Sprague, Ralph M.....Douglas
Sprinkle, Bertha.....Eaton Rapids
Spring, Edyth M.....Hudson
Stahl, Addie M.....Lake Odessa
Staley, Bertha.....Ypsilanti
Stanaway, Lela.....Sault Ste. Marie
Stanch, Mary B.....Royal Oak
Stanley, May B.....Morrice
Stanley, Winifred.....Hillsdale
Stark, Eliza.....Ann Arbor
Steele, Agnes.....Grand Rapids

Steele, Ina.....Grand Rapids
Steere, Elizabeth.....Ann Arbor
Stephens, Josephine.....College Corner, O.
Stevens, Mabel.....Portland
Stevenson, Helen.....Port Huron
Stevenson, Lydia A.....Detroit
Stewart, Idah.....St. Clair
Stewart, Irene M.....St. Clair
Stitt, Albert C.....Ypsilanti
Stone, Jessie R.....Almont
Strang, Carrie.....Ypsilanti
Strang, Grace A.....Ypsilanti
Strickland, Gertrude.....South Haven
Struble, Mabel S.....Ypsilanti
Sweitzer, W. G.....Lima, Ind.
Taggart, Bertha.....Bronson
Tall, Maude E.....Clayton
Tefft, Gladys.....St. Charles
Terrell, Claude L.....Somerset
Thomas, Genevieve.....Ypsilanti
Thomas, M. Norma.....Metamora
Thomas, Mary E.....Ypsilanti
Thompson, Iva Leona.....Trenton
Thompson, Mary L.....Ann Arbor
Thompson, Maude.....Midland
Thurston, Myrtle.....Almont
Tice, Ethel.....Dowagiac
Toothacker, W. S.....Martin
Tower, Nettie.....Onaway
Tracy, Anna.....Grand Rapids
Trask, Orsie A.....Geneva, O.
Trathen, Sidney, P.....Houghton
Travis, Martin B.....Clarkston
Travis, Myrtle C.....Clarkston
Treadwell, Nellie.....Ann Arbor
Tribley, Mabel.....Lakeview
Tripp, C. S.....Ypsilanti
Troub, Mrs. Minnie.....Ypsilanti
Trussell, Mrs. Alice.....Milan
Turner, Winifred S.....Geneva, O.
Tyrill, Maude Ethel.....Reading
Ulrich, Mamie.....Ceresco
Upham, Ruth.....Flat Rock

Van Cleve, Antoinette.....Ypsilanti
Van Cleve, Kate.....Ypsilanti
Van Derbrusch, John.....Oakland
Van Epps, Alla.....Mt. Clemens
Van Valkenburg, Evelyn.....Milan
Van Wormer, Grace.....Lewiston
Vosburgh, Laura .....Hudson
Vroman, Erma J.....Vicksburg
Wade, Alda M.....Ypsilanti
Wagar, Della .....Trenton
Walker, Bella J.....Ann Arbor
Waite, Iva G.....Auburn
Walker, Ila Mary.....Plymouth
Walker, W. Ralph.....Jefferson, O.
Wall, Nellie..... South Lake Linden
Wallace, A. M.....Jonesville
Wallace, Jessie.....Ann Arbor
Walls, Mary Jane.....Spring Arbor
Walsh, Agnes .....Flint
Warne, H. G.....Newberry
Warner, Susan L.....Spring Arbor
Warner, Fred Henry.....Hillsboro, O.
Warren, Marcella .....Ypsilanti
Washburn, E. R.....Hastings
Waters, Lucretia .....Ypsilanti
Watrous, Nellie.....Grand Rapids
Watters, Maude .....Marlette
Weatherwax, Cornelia.....Eaton Rapids
Weaver, Myrtle .....Nottawa
Webb, Beatrice .....Ypsilanti
Weber, Lorne .....Elkton
Weitbrecht, Emma C.....Ann Arbor
Welch, Edith.....Port Huron
Welch, Elizabeth .....Milford
Welch, Katherine.....Port Huron
Weldon, Pearl.....Eaton Rapids
Welch, Mary H.....Grand Rapids
West, Jessie Maude.....Wellington, O.
Western, Sarah .....Jackson
Wheeler, Francis J. ....Ypsilanti
Wheeler, Grace.....Greenville, O.
Wheeler, Mary L.....Sturgis
Whelpley, Martha I.....New Orleans

White, Winifred L. ..... Manchester
Whiteley, Klyde ..... Greenville, O.
Whitely, Martha M. ..... Marlette
Whittig, Barbara ..... Elkhart, Ind.
Wilber, Laura M. ..... Silverwood
Wilcox, Charlotte ..... South Haven
Wilcox, Mary ..... Flushing
Wilkes, C. Alice ..... Fort Smith, Ark.
Wilkinson, Tilla ..... Detroit
Willetts, Estella ..... Ypsilanti
Willetts, Martha ..... Reading
Willey, Edna ..... Ypsilanti
Williams, Charlotte A. ..... Plymouth
Williams, Hazel ..... Arcanum, O.
Williamson, Katherine E. ..... Lapeer
Williams, Mollie ..... Fort Smith, Ark.
Williamson, Anna ..... Baltimore, Md.
Wilson, Elizabeth ..... Ypsilanti
Wilson, Mabel K. ..... Ypsilanti
Wilson, Mabelle ..... West Bay City
Wilson, Margaret ..... Montgomery
Wilson, Minnie ..... Midland
Wilson, Theo. J. ..... Ypsilanti
Wilton, Ada B. ..... Flint
Witt, Jennie L. ..... Almont
Wisman, Blanche A. ..... Hector, Minn.
Wisman, G. W. ..... Hector, Minn.
Wood, Allen F. ..... Kenawee, Ill.
Wood, Angie Sylvina ..... Charlevoix
Wood, Marble ..... Owosso
Woodbury, Flora ..... Ypsilanti
Woodruff, J. A. ..... Eaton Rapids
Woods, Imogene A. ..... Berlin
Woods, Margaret E. ..... Berlin
Woodward, Beatrice ..... Port Huron
Worcester, A. A. ..... Springport
Worden, Lillian ..... Charlotte
Wortley, Ellen King ..... Ypsilanti
Wright, Lettie ..... Ypsilanti
Wrisley, Bessie ..... Charlevoix
Wylie, Florence ..... Shelby
York, Margaret ..... Three Rivers
Youells, Amy V. ..... Flushing

Young, Jessie ..... Adrian
Young, Katherine ..... Marine City
Young, Katherine ..... Corunna
Zagelmeier, Grace M. ..... Hastings
Zoeller, Elizabeth ..... Saginaw, E. S.

List of Graduates, 1903-4

December, 1903

LIFE CERTIFICATE

Ash, May S. ..... East Tawas
Bates, Guy E. ..... Nettle Lake, O.
Barns, Burton A. ..... Delray
Biery, Harriet ..... Camden
Boyce, Minnie ..... Kalamazoo
Byrant, Lucy Maude ..... Port Huron
Crawford, Samuel E. ..... North Branch
Compton, Mary Stevens ..... Toledo, O.
Howard, Nina Mae ..... Bancroft
Harper, Audrid ..... Ypsilanti
Hall, Ila T. ..... Benton Harbor
Holbrook, Fred W. ..... Smyrna
Hoyt, Willard ..... Ypsilanti
Katen, Helen ..... Greenville
Kinnee, Ida Ethel ..... Detroit
Kirby, Joseph Norman ..... Volinia
Knight, Ernest E. ..... Elsie
Laurie, Bertha May ..... Ypsilanti
Lewis, Jennie Mabel ..... Ypsilanti
Mudge, Harriet ..... Grand Ledge

McDonough, Margaret ..... Howell
Nester, Mary Ann ..... Lake Linden
O'Connor, Emma Raven ..... Port Huron
O'Connor, William, Jr. ..... Port Huron
Pitts, Mabelle Lucile ..... Centreville
Pinney, Christine Holmes ..... Vernon
Powers, Carrie Esther ..... Albion
Plowman, Ethel Fern ..... Grand Ledge
Rivett, Byron J. ..... Shepherd
Shaw, Adelaide M. ..... Lansing
Stewart, Bertha Fern ..... Bellevue
Skillen, Mary ..... Iron Mountain
Seamans, Frances Rutherford ..... Grand Rapids
Simmons, Ira Norton ..... Armada
*Shores, A. Juanita R J ..... St. Louis, Mo.
Troub, William O. ..... Ypsilanti
Young, Lou Anna ..... Mt. Clemens

FIVE YEAR CERTIFICATE

Fay, Carrie E. ..... Spencer, Iowa.
Gilhooley, Maude ..... Cadillac
Graham, Edna Beatrice ..... Delray
Howe, Martha Evelyn ..... Flint
MGuinness, Elizabeth ..... Dexter
Perkins, Annie M. ..... Memphis
Rodger, Esca Genevieve ..... Elmira
Worden, Lillian ..... Charlotte

April 1, 1904

Andress, L. Mace ..... Chesaning
Boelio, Luella M. ..... Greenville
Cavanaugh, Catherine ..... Detroit
Callow, Irene ..... Pontiac
Dekker, Mattie ..... Zeeland
Doty, Jessie R. ..... Ionia
Fay, Carrie E. ..... Spencer, Ia.
Frith, Susan F. ..... Grand Ledge
Finch, Minette ..... Hillsdale
Fribley, Sarah E. ..... Big Rapids

*Deceased.

You
You
You
Zap
Zoo

Broehm, Clara ..... Wayne
Brown, Agnes E. ..... Coopersville
Borchardt, Minnie E. ..... Menominee
Borchardt, Carrie ..... Menominee
Burns, Katherine T. ..... Jackson
Bugden, Jennie ..... South Haven
Burgess, Lucy Bell ..... Schoolcraft
Burston, Carrie ..... Cadillac
Carter, Edith A. ..... Flat Rock
Catton, Nellie May ..... Benzonia
Chapman, Kate Maria ..... Chelsea
Christian, Lelia B. ..... Chesaning
Conley, Anna A. ..... S. Lake Linden
Cronk, Mildred ..... Litchfield
Collins, Madge Ruth ..... Atlantic Mine
Cryderman, Leila A. ..... Detroit
Cullinine, Annie J. ..... Benton Harbor
Curry, Marie Louise ..... Ionia
Davis, Ethel A. ..... Lansing
Davis, Julia A. ..... Allegan
Dekker, Marie Louise ..... Zeeland
Dennis, Leone Barkley ..... Ann Arbor
Denison, Bertha May ..... Millburg
Dishong, Charles Gay ..... Morley
Dockeray, Ethel ..... Rockford
Dorr, Edna Elizabeth ..... Grass Lake
Doty, Nina Edwinna ..... Pontiac
Downing, Hilda M. ..... Harbor Springs
Dumphrey, Daisy ..... Battle Creek
Earl, Louise ..... Ypsilanti
Empson, Ethel ..... Gladstone
Feese, Gertrude ..... Three Rivers
Fischer, Amelia ..... St. Clair
Field, Zell M. ..... Kalamazoo
Flanelly, Mary ..... Ludington
Fox, Ethyl Marion ..... Columbiaville
Fribley, Laura ..... Big Rapids
Fridborg, Hildor Monica ..... Ishpeming
Gamertsfelder, Carrie ..... Helmick
Garlock, Millie A. ..... Howell
Gaul, Theodore John ..... Tawas City
Glanville, Olive ..... Lake Linden
Glas, Albert W. ..... Flat Rock

Gibbs, Charles W. ..... Weidman
GoldSmith, John D. ..... Plainwell
Graham, Albert Ashley ..... Delray
Greene, Mrs. Bertha Blair ..... Ypsilanti
Greenaway, Fern ..... Fowlerville
Gutchess, Lena M. ..... Almont
Hadley, Evelyn Mary ..... Litchfield
Hall, Zella I. ..... Battle Creek
Hamill, Birt Mervin ..... Shelby
Hare, Jessie Mae ..... Bellevue
Harding, Mary E. ..... Hillsdale
Hartley, Mollie Elizabeth ..... Lansing
Hayes, Cordelia May ..... Reed City
Hayward, Jason J. ..... Morocco
Hendry, Frank ..... Ypsilanti
Heth, Marion Josephine ..... Grand Rapids
Hoare, Esther E. ..... Elk Rapids
Holbrook, Edith May ..... St. Johns
Holden, Stella Marie ..... Charlotte
Holmes, Anna Belle ..... Ypsilanti
Hubel, Grace ..... St. Clair
Itsell, Lillie C. ..... Howell
Jackson, Chas. H. ..... Plainwell
James, Bessie M. ..... S. Lake Linden
Jardine, Alice D. ..... Chicago, Ill.
Jensen, Frank ..... Pentwater
Jones, Mattie B. ..... Edmore
Jones, Margaret ..... Sault Ste. Marie
Jordan, Chas. B. ..... Morrice
June, Eva Pearl ..... Mecosta
King, Charlotte, May ..... Ypsilanti
Kingsbury, Alberta ..... Cassopolis
Kinsel, Ida M. ..... Ithaca
Klingman, Frederica Dorothy ..... Ann Arbor
Kotvis, Jeannette E. ..... Grand Rapids
Kruse, B. Franklin ..... Francisco
Landon, Angie ..... Hart
La Rue, Donna ..... Saline
Lawton, Genevieve ..... Lawton
Lee, Bertha ..... Lowell
LeRoy, Sara E. ..... Pontiac
Lilly, Alice Pearl ..... Allegan
Lonsby, Ida ..... Mt. Clemens

Lonsby, Carolyn Belle.....Mt. Clemens
Lockwood, Mildred .....Washington
Loomis, Lulu Elta.....Ypsilanti
Lorenz, Josephine.....Iron River
McKay, Fred Bardwell.....Croswell
McBain, Jennie Belle.....Hickory Corners
Mackenzie, C. Kate.....Sault Ste. Marie
Mackenzie, Flora I.....Ludington
McCarthy, Anna H.....Ypsilanti
MacGillivray, Adah .....Muir
McConnell, Nellie .....Hartford
McCurdy, Cora E.....Mason
McGuinness, Clara Emma.....Dexter
Madison, Frances .....Bellevue
Mann, Alice, J.....Hudson
Marsh, Lora .....Fenton
Maugh, Ethel.....St. Clair
Merrick, Mabel Mildred.....Memphis
Merrifield, Zella E.....Union City
Miller, Mabel G.....Howard City
Milliken, Bruce E.....Port Huron
Mohr, Eva E.....Blissfield
Morgan, George Garfield.....Coloma
Morris, Wilbert.....Cross Village
Moulton, M. Myrtle.....Le Roy
Munson, Hattie .....Ypsilanti
Murray, Orra W.....Grand Haven
Nekervis, Susie .....Calumet
Neimeyer, Joanna.....Benton Harbor
Nicholls, Mildred .....Opeechee
Osborn, Sadie .....Albion
Osborne, Mary Eleanor.....Lapeer
Orr, Myrtle, Maude.....Cass City
O'Dwyer, Bess .....Jackson
Paton, Marion L.....Imlay City
Patterson, Clara Louise.....Charlotte
Pattison, Grace A.....Ypsilanti
Paulson, Thora .....Amble
Paxton, Leona S.....Marshall
Payne, Lena Lydia.....Owosso
Prentice, Alice M.....Pontiac
Peck, Edna C.....Thornton
Phillippi, Charlotte.....Three Oaks

Pierce, Frank ..... Oxford
Pomeroy, Hazel M. ..... Jonesville
Radeke, Julia C. ..... Grand Rapids
Read, Edna Mabel ..... Ann Arbor
Reinhold, Robert Max ..... Reed City
Reis, Elizabeth ..... Houghton
Replogle, Minnie Beatrice ..... Hastings
Roberts, Mary Lucille ..... Marine City
Rogers, Linnie Adell ..... Saline
Roosa, Nettie ..... Marshall
Rose, Zalda B. ..... Washington
Russell, Mella O. ..... Lansing
Sackett, Theata ..... Bellevue
Spalding, Bessie ..... Richland
Sawdon, Jonas ..... Chevington
Schlanderer, Emile T. ..... Ann Arbor
Stapleton, Viva ..... Ovid
Snell, Ida L. ..... Charlotte
Steere, Bessie M. ..... Pontiac
Steere, Edith Alice ..... Ann Arbor
Shields, Mona Lucy ..... Traverse City
Sidebotham, Isabelle ..... Lake City
Silk, Nellie ..... Hillsdale
Smith, Florence, Edith ..... Ypsilanti
Smith, Nellie Almyra ..... Rives Junction
Smith, Pearl Iva ..... Durand
Sundburg, Mamie E. ..... Ypsilanti
Tait, Bertha ..... East Tawas
Trankler, Alta Maude ..... Grand Rapids
Thompson, Mrs. Mary L. ..... Ann Arbor
Van Hess, Frances C. ..... Zeeland
Wheeler, Lorie Alice ..... Petersburg
White, Grace Alean ..... Ann Arbor
Whitcomb, Edith Mabel ..... Plainwell
Whitney, Edward S. ..... Port Sanilac
Wilkinson, Bridgid ..... Jonesville
Wilson, Lou Lydia ..... Adrian
Wiggins, Anna Charlotte ..... Saginaw, W. S.
Worcester, Alpheus A. ..... Springport
Worden, Gertrude ..... Hillsdale
Youells, Avy Violet ..... Flushing
York, Edna Marion ..... Grand Rapids

FIVE YEAR CERTIFICATE

Allen, Myra Elma.....Petoskey
Bolender, John Wade.....Plainwell
Broughton, Elizabeth .....Middleville
Chestnut, Katherine M.....Hillsdale
Fast, Lucius Wade.....Sparta
Gambell, Anna Laura.....North Adams
Hoops, Edith Beatrice.....Wayne
Hale, Emily Swift.....Detroit
Larson, Annetta .....Whitehall
Layer, Bessie .....Lowell
Murphy, Clare Roy.....Lansing
Pennington, Anna E.....Imlay City
Wilson, U. Stanley.....Hanover

DEGREE BACHELOR OF PEDAGOGICS

Harter, Nellie Eva.....Reed City
Hoyt, Cheever.....Walled Lake
Kilgour, Bertha F.....Seattle, Wash.
McArdle, Mary A.....Tecumseh
Ross, DeForest .....Ypsilanti
Stitt, Albert Clyde.....Ypsilanti
Thomas, Eleanor A.....Ypsilanti
Ward, Frances.....Battle Creek

DEGREE MASTER OF PEDAGOGICS

Meeks, Mrs. Frances R. Pearson.....Danville, Ill.
Parmelee, Milton R.....Charlotte

DEGREE BACHELOR OF ARTS

Hoyt, Cheever.....Walled Lake
Snowden, Alice M. Eddy.....Ypsilanti

August, 1904

LIFE CERTIFICATE

Abel, Alma U.....Menominee
Baird, Iva Cornell.....St. Clair
Bowman, Isaiah.....Brown City
Baker, Mayme .....Fenton
Campbell, Margaret.....Defiance, O.
Culbertson, Ethel Irene.....Charlotte

Davis. Lucy .....Clio
Dumphy, Bessie .....Croswell
Dickinson, Florence.....Grand Haven
Ferris, Effah Elizabeth.....Whitehall
Grocock, Mrs. Emma Albertson.....Menominee
Gainsley, Grace Lena.....Manchester
Geiger, Paline .....Mt. Pleasant
Honeyman, Mabel .....Vandalia
Holmes, Nellie L.....Ypsilanti
Jilek, Frances F.....Menominee
Johnson, Coral Janet.....Union City
Kirk, Mattie .....Vassar
Lyon, Florence Ruth.....Calumet
Leary, Eugenia V.....Laurim
Longnecker, Anna May.....Otsego
Morris, Eva Fatima.....Belding
Martin, Lulu .....Portland
Payne, Gertrude .....Coopersville
Perkins, Annie M.....Memphis
Quackenbush, Belle.....Imlay City
Ross, Esther .....Calumet
Root, Mabel .....Plymouth
Schaeffer, Lenna .....Ypsilanti
Steele, Ina.....Grand Rapids
Stevens, Mabel .....Portland
Sherrard, Anna .....Homer
Simons, Annie Cecilia.....Ypsilanti
Upham, Ruth.....Flat Rock
Ulrich, Mary Alice.....Ceresco
Wall, Nellie Maude.....S. Lake Linden
Watters, Maude .....Marlette
Woodbury, Florence Elizabeth.....Ypsilanti
Worden, Lillian .....Charlotte
Zoeller, Elizabeth.....Saginaw, E. S.

FIVE YEAR CERTIFICATE

Beebe, Marcia .....Nashville
Culp, Gertrude .....Constantine
Frutig, Bertha .....Delray
McCall, Grace .....Milford

Pickett, Kittie ..... Milford
Smith, Frances Velma ..... Delray

THREE YEAR CERTIFICATE

Allen, Lottie ..... Albion
Calkins, Lottie ..... Detroit
Clapp, Frances ..... Owosso
Durham, Mabel ..... Rockland
Galleher, Nina ..... Three Rivers
Morrison, Lulu A. ..... Crystal Falls
McGreaham, Inez ..... Saginaw
Purfield, Helen ..... Ann Arbor
Ruth, Kate Leslie ..... Benton Harbor
Scott, Lettie ..... Marine City
Seabury, Cora ..... Watervliet
Weatherwax, Cornelia ..... Eaton Rapids
White, Winifred ..... Manchester
Witt, Jennie ..... Almont
Willetts, Martha ..... Reading

DEGREE B. Pd.

Kimball, Mrs. Alice Putnam ..... Grand Rapids
Wisman, George W. ..... Hector, Minn.

DEGREE M. Pd.

Burton, Mrs. Fannie Cheever ..... Ypsilanti

Table Showing Attendance by Counties and States for the year 1904-1905

(NOTE—These figures do not include the enrollment for the summer term)

Alcona		Keweenaw	
Algers		Lake	1
Allegan	14	Lapeer	21
Alpena		Leelanau	
Antrim	12	Lenawee	27
Arenac		Livingston	35
Baraga		Luce	
Barry	6	Mackinac	7
Bay	7	Macomb	12
Benzie	2	Manistee	5
Berrien	20	Marquette	4
Branch	9	Mason	9
Calhoun	16	Mecosta	5
Cass	6	Menominee	
Charlevoix		Midland	3
Cheboygan	3	Missaukee	
Chippewa	6	Monroe	16
Clare		Montcalm	7
Clinton	16	Montmorency	1
Crawford	2	Muskegon	7
Delta	1	Newaygo	6
Dickinson	5	Oakland	39
Eaton	25	Oceana	15
Emmett	7	Ogemaw	
Genesee	25	Ontonagon	5
Gladwin	1	Osceola	9
Gogebic		Oscoda	
Grand Traverse	3	Otsego	
Gratiot	4	Ottawa	6
Hillsdale	17	Presque Isle	1
Houghton	17	Roscommon	
Huron	7	Saginaw	11
Ingham	19	Sanilac	15
Ionia	27	Schoolcraft	2
Iosco	5	Shiawassee	25
Iron	4	St. Clair	14
Isabella	3	St. Joseph	21
Isle Royal		Tuscola	11
Jackson	24	Van Buren	22
Kalamazoo	11	Washtenaw	180
Kalkaska	1	Wayne	53
Kent	30	Wexford	4

STATES

Canada	2	New York	2
Illinois	6	Ohio	19
Indiana	1	Pennsylvania	2
Kentucky	1	Wisconsin	3
Montana	3		

Statistics for 1904-1905

Enrollment in Normal College proper for the College year to date, March 23, 1905		993
Number entering this year for the first time	417	
Number of above received on diploma	361	
Number of above received on examination	48	
Number of preparatory students	10	
Number of students enrolled in high school department		43
Number of students in Conservatory of Music	197	
Number of candidates for degree B. Pd. in residence	10	
Number of college graduates	1	
Number of counties sending students (see table p 218)	66	
Number of counties not represented	18	
Number who have taught	454	
Number enrolled in summer term of 1904		836
		1872
Deduct counted twice		109
Total attendance to date, March 23, 1905, for the year beginning July 1, 1904, not including the spring quarter nor number enrolled in Training School		1763
Pupils enrolled in Training School:		
Kindergarten	93	
First grade	39	
Second grade	43	
Third grade	34	
Fourth grade	35	
Fifth grade	35	
Sixth grade	45	
Seventh grade	47	
Eighth grade	30	
Pupils in summer school not included above	47	
Total in Training School		448
Total attendance in College and Training School		2211

Directory, 1905-1906

JONES, L. H., A.M., 730 Forest Avenue.

Alcott, Mary E., Ph.B. ..... 309 Adams St.
Barbour, Florus A., A.M. ..... 704 Pearl St.
Boardman, Alice I. ..... 116 Hamilton St.
Blount, Alma, Ph.D. ..... 405 Congress St.
Bowen, W. P., M.S., B.Pd. ..... 203 Brower St.
Buell, Bertha L., B.L. ..... 429 Adams St.
Burton, Fannie Cheever, M.Pd. ..... 517 Adams St.
Chase, Annette F. ..... 411 Pearl St.
Clark, Inez ..... 517 Adams St.
Cook, Edna T., B.S. ..... 117 Huron St.
D'Ooge, Benjamin L., A.M., Ph.D. ..... 602 Congress St.
Downing, Estelle, A.B. ..... 429 Adams St.
Fleischer, Ida, Ph.D. ..... 508 Brower St.
Ford, R. C., Ph.D. ..... 505 Chicago Ave.
Foster, Clyde E. ..... 418 Florence St.
Garner, Lota H. ..... 201 Normal St.
Goddard, Mary A., B.S. ..... 516 Adams St.
Goodison, Bertha ..... 321 Huron St.
Hammond, Grace ..... 210 Washington St.
Harvey, Nathan A., Ph.D. ..... 223 Summit St.
Herrick, Lydia L. ..... 429 Adams St.
Hoyt, Charles O., A.B., Ph.D. ..... 318 Congress St.
Jackson, Adella ..... 105 Normal St.
Jefferson, Mark S. W., A.M. ..... 14 Normal St.
King, Julia Anne, A.M., M.Pd. ..... 611 Pearl St.
Laird, S. B., B.Pd., M.S. ..... 318 Forest Ave.
Lathers, J. Stuart, B.L. ..... 324 Forest Ave.
Lockwood, Margaret ..... 708 Congress St.
Lombard, Mary Joy, B.L. ..... 525 N. Adams St.
Lyman, Elmer A., A.B. ..... 126 Washington St.
Lynch, Abigail ..... 117 Huron St.
McLellan, Elisabeth B ..... 801 Congress St.
Magers, S. D., M.S. ..... 9 S. Summit St.

Martin, Mattie Alexander, A.B.----220 Huron St,
Master, Mary M.----116 Adams St.
Milroy, Ina, Ph.D.----14 Ballard St.
Muir, Helen B.----7 Normal St.
Norris, Orland O.----315 Cross St.
Norton, Ada A., Ph.M.----510 Pearl St.
Olmsted, Anna H.----220 Huron St.
Pearce, Abigail, Ph.B., B.Pd.----410 Emmet St.
Peet, B. W., M.S.----510 Emmet St.
Pease, Frederic H.----43 Summit St.
Phelps, Jessie, M.S.----429 Adams St.
Plunkett, Harriet M., B.S.----614 Cross St.
Putnam, Daniel, A.M., LL.D.----314 Forest Ave.
Putnam, Mary B., Ph.B., B.Pd.----314 Forest Ave.
Putnam, Ruth.----314 Forest Ave.
Roberts, Dimon H., A.M.----615 Congress St.
Roe, Abigail----202 Summit St.
Sherzer, Will H., M.S., Ph.D.----9 N. Summit St.
Shultes, Florence, B.Pd.----510 Emmet St.
Steagall, Mary M., Ed.B.----117 Huron St.
Stone, John C., A.M.----501 Adams St.
Stowe, Hester P.----220 Huron St.
Strong, Edwin A., A.M.----127 Normal St.
Thompson, Kate R.----603 Ellis St.
White, Minor E.----727 Chicago Ave.
Wilson, Ella M.----525 N. Adams St.
Wise, Margaret E.----18 Adams St.

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In Summer School ..... [illegible]
History and Science of Education, Department of ..... [illegible]
In Summer School ..... [illegible]

K

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THE MICHIGAN STATE NORMAL COLLEGE

YEAR BOOK

1905-1906

Year Book

OF THE

Michigan State Normal College

FOR

1905-1906

INCLUDING

ANNOUNCEMENTS FOR 1906-1907

AND

REGISTER OF STUDENTS

1906

Michigan State Normal College

L. H. JONES, A. M., PRESIDENT

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HON. DEXTER M. FERRY, JR. ..... Vice President
HON. LUTHER L. WRIGHT ..... Treasurer
HON. PATRICK H. KELLEY ..... Secretary

HON. PATRICK H. KELLEY
Superintendent of Public Instruction

Regular meeting of the Board fourth Friday of each month

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SCHOOL CALENDAR FOR 1906-7

Holidays are printed in full-faced type

	June, 1906						November, 1906						April, 1907					
Sun.	---	**3**	**10**	**17**	**24**	---	---	**4**	**11**	**18**	**25**	---	---	**7**	**14**	**21**	**28**	---
Mon.	---	4	11	18	25	---	---	5	12	19	26	---	1	8	15	22	29	---
Tues.	---	5	12	19	26	---	---	6	13	20	27	---	2	9	16	23	30	---
Wed.	---	6	13	20	27	---	---	7	14	21	28	---	3	10	17	24	---	---
Thur.	---	7	14	**21**	28	---	1	8	15	22	**29**	---	4	11	18	25	---	---
Fri.	1	8	15	**22**	29	---	2	9	16	23	**30**	---	5	12	19	26	---	---
Sat.	**2**	**9**	**16**	**23**	**30**	---	**3**	**10**	**17**	**24**	---	---	**6**	**13**	**20**	**27**	---	---
	July, 1906						**December, 1906**						**May, 1907**					
Sun.	1	**8**	**15**	**22**	**29**	---	---	**2**	**9**	**16**	**23**	**30**	---	**5**	**12**	**19**	**26**	---
Mon.	2	9	16	23	30	---	---	3	10	17	**24**	**31**	---	6	13	20	27	---
Tues.	3	10	17	24	31	---	---	4	11	18	**25**	---	---	7	14	21	28	---
Wed.	**4**	11	18	25	---	---	---	5	12	19	**26**	---	1	8	15	22	29	---
Thur.	5	12	19	26	---	---	---	6	13	20	**27**	---	2	9	16	23	**30**	---
Fri.	6	13	20	27	---	---	---	7	14	21	**28**	---	3	10	17	24	31	---
Sat.	**7**	**14**	**21**	**28**	---	---	**1**	**8**	**15**	**22**	**29**	---	**4**	**11**	**18**	**25**	---	---
	August, 1906						**January, 1907**						**June, 1907**					
Sun.	---	**5**	**12**	**19**	**26**	---	---	**6**	**13**	**20**	**27**	---	---	**2**	**9**	**16**	**23**	**30**
Mon.	---	**6**	**13**	**20**	**27**	---	---	7	14	21	28	---	---	3	10	17	24	---
Tues.	---	**7**	**14**	**21**	**28**	---	**1**	8	15	22	29	---	---	4	11	18	25	---
Wed.	1	**8**	**15**	**22**	**29**	---	2	9	16	23	30	---	---	5	12	19	26	---
Thur.	2	**9**	**16**	**23**	**30**	---	3	10	17	24	31	---	---	6	13	**20**	27	---
Fri.	3	**10**	**17**	**24**	**31**	---	4	11	18	25	---	---	---	7	14	**21**	28	---
Sat.	**4**	**11**	**18**	**25**	---	---	**5**	**12**	**19**	**26**	---	---	**1**	**8**	**15**	**22**	**29**	---
	September, 1906						**February, 1907**						**July, 1907**					
Sun.	---	**2**	**9**	**16**	**23**	**30**	---	**3**	**10**	**17**	**24**	---	---	**7**	**14**	**21**	**28**	---
Mon.	---	**3**	**10**	**17**	**24**	---	---	4	11	18	25	---	1	8	15	22	29	---
Tues.	---	**4**	**11**	**18**	**25**	---	---	5	12	19	26	---	2	9	16	23	30	---
Wed.	---	**5**	**12**	**19**	**26**	---	---	6	13	20	27	---	3	10	17	24	31	---
Thur.	---	**6**	**13**	**20**	**27**	---	---	7	14	21	28	---	4	11	18	25	---	---
Fri.	---	**7**	**14**	**21**	**28**	---	1	8	15	**22**	---	---	5	12	19	26	---	---
Sat.	**1**	**8**	**15**	**22**	**29**	---	**2**	**9**	**16**	**23**	---	---	**6**	**13**	**20**	**27**	---	---
	October, 1906						**March, 1907**						**August, 1907**					
Sun.	---	**7**	**14**	**21**	**28**	---	---	**3**	**10**	**17**	**24**	**31**	---	**4**	**11**	**18**	**25**	---
Mon.	1	8	15	22	29	---	---	4	11	18	**25**	---	---	**5**	**12**	**19**	**26**	---
Tues.	2	9	16	23	30	---	---	5	12	19	**26**	---	---	**6**	**13**	**20**	**27**	---
Wed.	3	10	17	24	31	---	---	6	13	20	**27**	---	---	**7**	**14**	**21**	**28**	---
Thur.	4	11	18	25	---	---	---	7	14	21	**28**	---	1	**8**	**15**	**22**	**29**	---
Fri.	5	12	19	26	---	---	1	8	15	22	**29**	---	2	**9**	**16**	**23**	**30**	---
Sat.	**6**	**13**	**20**	**27**	---	---	**2**	**9**	**16**	**23**	**30**	---	**3**	**10**	**17**	**24**	**31**	---

ANNOUNCEMENTS FOR 1906-7

1906.

Sunday, June 17.....Baccalaureate Address

Monday, June 18, p. m.....Junior Class-Day

Tuesday, June 19, a. m.....Conservatory Commencement

Tuesday, June 19, p. m. { Senior Class-Day, Alumni Reunion / President's Reception

Wednesday, June 20.....COMMENCEMENT

The Commencement Address will be delivered by the
RT. REV. CHAS. D. WILLIAMS, of Detroit.

SUMMER SCHOOL

Monday, June 25.....Classification of Students

Tuesday, June 26.....Summer Term Begins

Friday August 3.....Summer Term Closes

SUMMER VACATION—AUGUST 3 TO SEPTEMBER 28.

Friday, September 28
Saturday, September 29 } .....Entrance Examinations

Friday, September 28
Saturday, September 29 } .....Classification of Students
Monday, October 1

Tuesday, October 2.....{ Class Room Work of Fall Quarter Begins

Friday, October 5.....Meeting of Literary Societies

Saturday, October 6 .....S. C. A. Reception

Friday, October 12.....Faculty Reception to Students

Thursday, November 29
Friday, November 30 } .....Thanksgiving Recess

Friday, December 21.....Fall Quarter Closes

1907

Wednesday, January 2..... { Winter Quarter Begins
Entrance Examinations

Friday, February 22.....Washington's Birthday

Friday, March 22.....Winter Quarter Closes

Monday, April 1.....Spring Quarter Begins

Thursday, May 30.....Memorial Day

Sunday, June 16.....Baccalaureate Address

Monday, June 17, p. m.....Junior Class-Day

Tuesday, June 18, a. m.....Conservatory Commencement

Tuesday, June 18, p. m.... { Senior Class-Day, Alumni Reunion
President's Reception

Wednesday, June 19.....COMMENCEMENT

FACULTY

OF THE

MICHIGAN STATE NORMAL COLLEGE

1906-07

L. H. JONES, A.M., PRESIDENT, 730 Forest Ave.

HEADS OF DEPARTMENTS.*

FREDERIC H. PEASE.....43 Summit St.
Director of Conservatory of Music.

DANIEL PUTNAM, A.M., LL.D.....314 Forest Ave.
Professor of the Science and Art of Teaching.

JULIA ANNE KING, A.M., M.PD.....611 Pearl St.
Professor of History and Civics.

EDWIN A. STRONG, A.M.....127 Normal St.
Professor of Physical Sciences.

FLORUS A. BARBOUR, A.M.....704 Pearl St.
Professor of English.

BENJAMIN L. D'OOGE, A.M., PH.D.....420 Forest Ave.
Professor of Latin and Greek.

WILLIAM H. SHERZER, M.S., PH.D.....9 N. Summit St.
Professor of Natural Sciences.

CHARLES O. HOYT, PH.D.....318 Congress St.
Professor of the Science and History of Education.

ELMER A. LYMAN, A.B.....126 N. Washington St.
Professor of Mathematics.

* The names of the Faculty are arranged under the several subdivisions in order of the seniority of service.

SAMUEL B. LAIRD, A.M.,.....318 Forest Ave.
Professor of Psychology.

DIMON H. ROBERTS, A.M.....307 Congress St.
Superintendent of Training School.

MARK S. W. JEFFERSON, A.M.....14 Normal St.
Professor of Geography.

RICHARD CLYDE FORD, PH.D.....505 Chicago Ave.
Professor of French and German.

J. STUART LATHERS, B.L. .....416 Olive St.
Professor of Reading and Oratory.

WILBUR P. BOWEN, M.S., B.PD..... .....203 Brower St.
Professor of Physical Education.

NATHAN A. HARVEY, PH. D.....223 Summit St.
Professor of Pedagogy and Institute Conductor.

ASSOCIATE PROFESSOR

JOHN C. STONE, A.M.....501 Adams St.
Associate Professor of Mathematics.

ASSISTANT PROFESSORS

FREDERICK R. GORTON, PH.D.....512 Forest Ave.
Assistant Professor of Physics.

B. W. PEET, M.S.....510 Emmet St.
Assistant Professor of Chemistry.

INSTRUCTORS AND ASSISTANTS

ABIGAIL PEARCE, PH.B., B.PD.....410 Emmet St.
Instructor in English.

*HELEN B. MUIR.....614 Cross St.
Instructor in Latin and Greek.

ADA A. NORTON, PH.M.....510 Pearl St.
Instructor in Mathematics.

FLORENCE SHULTES, B.PD.....210 Washington St.
Instructor in History.

MARY B. PUTNAM, PH.B., B.PD.....314 Forest Ave.
Instructor in Civics.

MRS. FANNIE CHEEVER BURTON, M.PD.....517 N. Adams St.
Director of Women's Gymnasium.

CLYDE E. FOSTER.....418 Florence St.
Instructor in Music.

---

*Absent on leave.

ESTELLE DOWNING, A.B.....429 Adams St.
Assistant in English.

JESSIE PHELPS, M.S.....429 Adams St.
Instructor in Natural Sciences.

BERTHA G. BUELL, B.L.....429 Adams St.
Assistant in History.

*MINOR E. WHITE.....727 Chicago Ave.
Assistant in Music.

MARY A. GODDARD, B.S.....516 Adams St.
Instructor in Natural Sciences.

BERTHA GOODISON.....317 S. Huron St.
Instructor in Drawing.

ALMA BLOUNT, PH.D.....520 Hamilton St.
Instructor in English.

S. D. MAGERS, M.S.....9 S. Summit St.
Instructor in Natural Sciences.

ANNIE H. OLMSTED.....220 Huron St.
Instructor in Drawing.

LOTA H. GARNER.....411 Pearl St.
Assistant in Drawing.

IDA FLEISCHER, PH.D.....508 Ellis St.
Instructor in French and German.

MARY JOY LOMBARD, B.L.....520 Hamilton St.
Instructor in French and German.

INEZ M. CLARK.....517 N. Adams St.
Assistant in Gymnasium.

RUTH PUTNAM.....314 Forest Ave.
Assistant in Music.

MARY M. MASTER.....316 Congress St.
Assistant in Reading and Oratory.

ORLAND O. NORRIS.....315 Cross St.
Instructor in Latin.

MARY DERBY, A.B.....316 Congress St.
Assistant in English.

DARREL H. DAVIS, A.B.....310 Hamilton St.
Assistant in Geography.

CLEMENS P. STEIMLE.....201 Washington St.
Assistant in Mathematics.

H. ETHEL CHILDS.....Forest Ave. East
Assistant in Drawing.

---

* Absent on leave.

CAROLINE L. TOWNER.....303 Huron St.
Acting Assistant in Music.

ROBERT M. REINHOLD.....717 Cross St.
Editorial Manager Normal College News.

W. L. WALLING.....4 S. Summit St.
Assistant in Physical Science Laboratory.

EDNA JACKSON.....510 Cross St.
Assistant in Natural Science Laboratory.

S. EDITH KING.....17 N. Summit St.
Assistant in Natural Science Laboratory.

W. GLEN LEWIS.....S. C. A. Bldg.
Assistant in Natural Science Laboratory.

BERNICE SARGENT.....231 Summit St.
Assistant in Mathematics.

IRENE O. CLARK.....610 Adams St.
Assistant in Physical Training.

EFFIE DEAM.....412 Perrin St.
Assistant in English (fall quarter).

CHAS. C. COLBY.....605 Emmet St.
Assistant in Geography (fall quarter).

FRANK JENSEN.....95 Oakwood Ave.
Assistant in Mathematics.

C. D. CARPENTER.....125 College Place
Assistant in Physical Science Laboratory (fall quarter).

JESSIE LEE.....502 Cross St.
Assistant in Latin and Greek.

FACULTY OF THE TRAINING SCHOOL

DIMON H. ROBERTS, A.M., Superintendent.

MARGARET E. WISE.....18 Adams St.
Critic Teacher, First Grade

HESTER P. STOWE.....220 Huron St.
Kindergartner.

ADELLA JACKSON.....105 Normal St.
Critic Teacher, Second Grade.

ABIGAIL ROE.....220 Huron St.
Critic Teacher, Sixth Grade.

CLYDE E. FOSTER.....418 Florence St.
Supervisor of Music.

ABIGAIL LYNCH.....217 Washington St.
Critic Teacher, Third Grade.

MARY M. STEAGALL, ED.B., PH.B.....301 Washington St.
Critic Teacher, Ninth and Tenth Grades.
BERTHA GOODISON.....317 S. Huron St.
Supervisor of Drawing.
ALICE I. BOARDMAN.....216 Hamilton St.
Supervisor of Manual Training.
ELLA M. WILSON.....1 Summit St.
Critic Teacher, Fifth Grade.
INEZ M. CLARK.....517 N. Adams St.
Supervisor of Physical Training.
EDNA T. COOK, B.S.....117 Huron St.
Critic Teacher, Eighth Grade.
LYDIA L. HERRICK.....429 Adams St.
Assistant Kindergartner.
ELISABETH B. MCLELLAN.....117 Huron St.
Critic Teacher, Fourth Grade.
HELENE KNEIP.....213 Michigan St.
Assistant Kindergartner.
EMELYN E. GARDNER, A. B.....220 Huron St.
Critic Teacher, Seventh Grade.
GRACE FULLER.....111 Normal St.
Supervisor of Domestic Science and Art.
EDNA BARLOW.....214 Summit St.
Assistant in Manual Training.
SADIE GODARD.....114 Summit St.
Assistant in Domestic Science and Art.
L. ELTA LOOMIS.....706 Emmet St.
Assistant in Physical Training.

LIBRARY

Genevieve M. Walton, Librarian.....403 Huron St.
Alice Barnes, Assistant.....220 Huron St.
Elsie V. Andrews, Assistant.....301 Washington St.
Guy Smith, Assistant.....717 Cross St.
Edna J. O'Dell, Assistant.....117 Huron St.

Administrative Organization of the State Normal College

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Florus A. Barbour, A.M.
Benjamin L. D'Ooge, A.M., Ph.D.
William H. Sherzer, M.S., Ph.D.
Charles O. Hoyt, Ph.D.
Elmer A. Lyman, A.B.
Samuel B. Laird, A.M.
Dimon H. Roberts, A.M.
Mark S. W. Jefferson, A.M.
Fannie Cheever Burton, M.Pd.
Richard Clyde Ford, Ph.D.
J. Stuart Lathers, B.L.
Wilbur P. Bowen, M.S., B.Pd.
Nathan A. Harvey, Ph.D.

Standing Committees

The President is ex-officio a member of each committee.

Lectures and Entertainments—Lathers, Pease, Ford, Harvey.
Library—Hoyt, Putnam, King.
Advanced Standing—Laird, Jefferson, Strong.
Athletics—Barbour, Roberts, Gorton, Peet, Magers.
Year Book—D'Ooge, Lathers, Harvey.
Student Affairs—King, Burton, Bowen.
Normal News—Lyman, Ford, D'Ooge.
Extra Studies—Jefferson, Strong, Laird.
Teachers' Bureau—Roberts, Sherzer, Hoyt.

Office

Frances L. Stewart, Clerk.....314 Cross St.
Agnes Morse, Stenographer.....208 East Cross St.
Katherine B. Joslyn, Stenographer.....202 Parsons St.
Anna M. Yorks, Stenographer.....615 Forest Ave.

Superintendent of Buildings and Grounds

John W. Stevens.....509 Ellis St.

The Michigan State Normal College

LOCATION

The Normal College is located at Ypsilanti, Washtenaw County. Ypsilanti is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the Michigan Central system. The Ypsilanti branch of the Lake Shore & Michigan Southern gives a means of approach from the south and west. The D., Y., A. A. & J. electric line passes through the College campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

PURPOSE

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement, taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the College. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a Training School of ten grades and kindergarten is conducted. The law quoted above also provides that, before being admitted, all applicants shall sign a declaration of intention to teach in the schools of the state. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

HISTORY

The Michigan State Normal School was the sixth state normal school in the United States, and the first west of the Allegheny

Mountains. The law establishing it was enacted in 1849, and its first class was graduated in 1854. The average enrollment down to 1860 was 297; from 1860 to 1870, 347; from 1870 to 1880, 346; from 1880 to 1890, 537; and from 1890 to 1900, 975. The enrollment for the present year up to April 1 is 2430 Besides this rapid increase in numbers, there has been, during the last few years, a considerable increase in the number of students remaining through the year. Another notable gain has been in the better preparation of students. Since 1890 the number of preparatory students his steadily fallen, while the number of graduates of approved high schools has steadily risen. There has been more than a proportionate growth in the number of teachers, the original number of five having increased to twelve in 1880, and the Faculty now reaching a total of 80. The school for a number of years has been doing work of collegiate grade, and the legislature of 1897, in recognition of this fact, authorized the State Board of Education to designate the school, in the courses leading to life certificates and degrees, by the name of Michigan State Normal College. Under the action of the Legislature of 1903 the State Board of Education has organized courses leading to the degree of Bachelor of Arts in Education.

GROUNDS

The original site chosen for the School contained a little less than six acres, situated on high ground overlooking the city, which lies in the Huron valley. This was increased by something over an acre in 1893, when a piece of ground lying to the south was purchased for the location of the Gymnasium. In 1895 the city of Ypsilanti purchased and presented to the College about five acres adjoining on the north. Since that time the state has purchased four acres more, and the citizens of Ypsilanti by public subscription have purchased ten acres more, making a total of thirty acres, upon which are located the College buildings, the heating plant, and the athletic field.

BUILDINGS

The original building, erected in 1852, was destroyed by fire in 1859 and immediately rebuilt. This second building now stands as the central part of the main building. The front part was added in 1878, the west addition in 1882, the north and south wings in 1888, giving the building as now used the form of a cross, with a length of about 300 feet in each direction. The main building contains over sixty rooms, including class rooms, the assembly hall, the library, the offices of the President, the State Board of Education, the Clerk, and rooms for the Literary Societies.

The Conservatory building has recently been remodeled and greatly improved. It contains fifteen rooms, which are used exclusively by the Music Department.

The Gymnasium, erected in 1893, contains six rooms and is fully occupied by the department of Physical Training.

The Training School Building is a modern structure planned to accommodate eight grades and a kindergarten, and contains offices, recitation rooms, and an assembly room, in addition to the grade rooms.

A new science building has recently been erected for the accommodation of the science departments. Spacious and well equipped class rooms and laboratories are provided for both the physical and biological sciences.

Starkweather Hall, the gift of Mrs. Mary Starkweather, is a substantial and beautiful stone building, and is used by the Christian Association.

EQUIPMENT

The library contains 29,000 volumes, admirably selected and easily accessible. There are well equipped laboratories for the various lines of science work, the outfit including, in all cases, such apparatus as it is possible to obtain and use in high schools, as well as the more extensive and costly equipment suitable for a college. In the Department of Music there are provided a fine pipe organ and an adequate number of pianos. The Physical Training Department has two fully equipped gymnasiums, affording opportunity for 500 students daily. The College is well supplied with examples of the best art, including a large number of casts of the best classic statuary, and a still larger number of photographic reproductions of the work of the world's best painters, which have been placed in the library, halls, and various class-rooms.

More complete information as to details of the equipment of the College is given below.

LOAN FUND

The State Legislature in 1899 passed an act providing "that five or more persons of full age, residing in the State of Michigan, may associate and incorporate themselves together for the purpose of establishing loan funds for the benefit of schools, scholars, and students of this state, to assist them to attend the State Normal College at Ypsilanti, the Central Michigan Normal School at Mt. Pleasant, and other State Institutions."

A corporation organized in accordance with the provisions of this Act "shall be under the general management of not less than five or more than fifteen trustees," and "shall in law and equity

be capable of taking and receiving real and personal estate, not exceeding twenty-five thousand dollars in the aggregate, for the purpose of its incorporation." (Public Acts of 1899. Act No. 250, pages 389-391.)

Within the past year a society has been organized under these laws and a beginning has been made toward the administration of such a trust.

Funds to the amount of over $500.00 have already been acquired, and it is believed that, now that a beginning has been made, large additions will be made to this loan fund.

The Library

The library numbers 29,000 volumes. The accessions are very evenly distributed among the departments, with a fair proportion for general reference books and for literature in a broader sense than the demands of class-room work would require.

The reading room has comfortable seating capacity for 130, but it is often overcrowded. Two thousand five hundred volumes are free of access, and also the current numbers of periodicals and newspapers. These books comprise: (1) General dictionaries, cyclopedias, commentaries, atlases, miscellaneous books of quotations, and literary helps and compendia, year books, almanacs, etc., etc. (2) All the bound files of general magazines, with Poole's index, the Cumulative index and the Library index. (3) Public documents, including the Congressional record, Census reports and others most used by the classes in Political science and by the Debating clubs.

The stack rooms are well arranged both for convenience and lighting, but have been overcrowded for three years. During the summer their capacity was increased one-third by the construction of a glass floor and a second story, six shelves high, on top of the old stacks.

The iron stacks of the Library Bureau are used. The Dewey classification is followed. The library is open from 7 a. m. to 5:30 p. m. on school days and from 7 a. m. to 12:00 m. on Saturdays.

Access to the shelves is restricted to students who assist for an hour a day in the library. Students desiring this work apply to the librarian; a regular hour is assigned for the quarter, and promptness and regularity are demanded. No credits are given for this work; but the free access to the shelves at all times during the day, the knowledge acquired of books and library work, and certain other privileges, are considered a good equivalent. There are sixty student assistants, all of whom work two quarters, many work longer. The librarian meets the new assistants one hour a week for instruction in practical library methods and reference work. Besides the service at the delivery desk, special work is assigned to each student.

The department libraries of from 100 to 300 volumes each, have increased. These constitute an effective addition to the

equipment of the class room for ready and special reference. Several of the departments have special card catalogues of subjects relating to their particular work. These give more complete and detailed reference than would be possible in a general catalogue of the library, and greatly facilitate the research work of the students.

The connection between the library and the Training School is very close. Each grade room has over 100 volumes as a school room library, and every hour many volumes go from the library for supplementary reading and illustrative helps in teaching.

In the reading room are the following periodicals:

Advocate of peace.
American chemical journal.
American education.
American gymnasia.
American historical review.
American journal of archaeology.
American journal of philology.
American journal of physiology.
American journal of psychology.
American journal of science.
American journal of sociology.
American naturalist.
American ornithology.
American physical education review.
Annalen der physik.
Annals of American academy of political and social science.
Art journal (London).
Astro-physical journal.
Athenaeum.
Atlantic monthly.
Biological bulletin.
Bird-lore.
Blackwood.
Bookman.
Botanical gazette.
Brush and pencil.
Bulletin of Amer. geog. society.
Bulletin of Amer. math. society.
Bulletin of bibliography.
Bulletin of geological society of America.
Catholic world.
Centralblatt für physiologie.
Century magazine.
Charities and commons.
Chautauquan.
Classical journal.
Classical philology.
Classical review.
Contemporary review.
Cosmopolitan.
Critic.
Cumulative book index.
Cumulative index to periodicals.
Cumulative book review digest.
Detroit Free Press.
Detroit public library bulletin.
Deutsche rundschau.
Dial.
Edinburgh review.
Education.
Educational review.
Electrical world.
Elementary school teacher.
Etude.
Euphorion.
Fortnightly review.
Forum.
Gartenlaube.
Geographical journal.
Geographical teacher.
Geologisches centralblatt.
Harper's monthly.

Harper's weekly.
Hibbert journal.
House beautiful.
Index medicus.
International journal of ethics.
International quarterly.
International studio.
Johns Hopkins university circulars.
Journal of American chemical society.
Journal of education, New England.
Journal of geography.
Journal of geology.
Journal of pedagogy.
Journal of political economy.
Kindergarten magazine.
Kindergarten review.
Knowledge.
Library index.
Library journal.
Little folks.
Living age.
McClure's magazine.
Manual training magazine.
Michigan Christian Advocate.
Michigan political science. assoc. reports.
Mind and body.
Moderator topics.
Modern language notes.
Monist.
Musical courier.
Nation.
National geographic magazine.
Nature.
Nature Study review.
Neueren sprachen.
New Education.
New York teachers' monographs.
Nineteenth century.
Normal college news.
Normal instructor and teachers' world.
North American review.
Notes and queries.
Outing.
Outlook.
Pädagogische zeitung.
Pedagogical seminary.
Petermann's mittellungen.
Philosophical review.
Popular astronomy.
Popular science monthly.
Posse gymnasium journal.
Primary education.
Psychological bulletin.
Psychological review.
Public Libraries.
Public opinion.
Publishers' weekly.
Recreation.
Review of reviews.
Revue des deux mondes.
Revue internationale de l'enseignement.
Revue pedagogique.
Ryerson public library (Grand Rapids) bulletin.
St. Nicholas.
School and home education.
School arts book.
School review.
School science and mathematics.
Science.
Scientific American.
Scientific American supplement.
Scottish geographical magazine.
Scribner's magazine.
Teachers' college record.
Teachers' magazine.
U. S. Bulletin of department of labor.
U. S. Catalogue of public documents.
U. S. Census bulletins.
U. S. Congressional record.
U. S. Consular reports (monthly).

U. S. Consular reports (special).
U. S. Monthly summary of commerce and finance.
U. S. Monthly weather review.
U. S. Smithsonian miscellaneous collections.
World's work.
Ypsilanti daily press.
Youths' companion.
Zeitschrift für physikalischen u. chemischen unterricht.
Zeitschrift für die reform der höheren schulen.
Zeitschrift für diätetische u. physikalische therapie.

Besides those enumerated above, which are for general use, the following periodicals are taken regularly for the Training School.

TRAINING SCHOOL.

Little folks .....Grades 1, 2 and 3
Kindergarten Review .....Grade 1
Kindergarten magazine .....Grade 2
St. Nicholas .....Grade 4
Popular educator .....Grade 4
Youth's companion .....Grades 5 and 7
Normal instructor .....Office

The library has been designated a "Remainder Depository" for United States Public documents, which facilitates the procuring from the general government of such documents and reports as are of the greatest value to the College.

Laboratories

BIOLOGICAL

The new science building greatly increases the facilities for biological study. Two large well-lighted laboratories are devoted to zoölogy and botany, while two smaller rooms are reserved for advanced work in these subjects. The laboratories and lecture rooms contain fairly complete collections for illustrative purposes and for systematic study, supplemented with charts and models. The department possesses a full equipment of compound dissecting microscopes, microtomes, tanks and aquaria, and the apparatus and instruments required for modern biological work. The herbarium contains some three thousand five hundred mounted plants from various sections of the United States and Canada. A large greenhouse, an artificial pond and a series of botanical gardens supply much material for study and class-room illustration. A vivarium adjoins the Nature Study lecture room in which are kept for observation the animal forms desired for grade work.

PHYSIOLOGICAL

In addition to the zoölogical collection, which is used in the comparative anatomy, the college possesses a life-size manikin of French manufacture, articulated and unarticulated skeletons, numerous models, special preparations, apparatus, charts, photographs, and lantern slides. A complete series of microscopic mounts has been added during the past year. The State Board of Health liberally supplies the department with its pamphlets relating to the nature, spread and restriction of contagious diseases.

GEOLOGICAL

By means of purchases and donations the department has gotten together good working collections of minerals, rocks and fossils. Fairly complete illustrative collections are being arranged in a special room in the new science building, adjoining the laboratory and lecture room. The laboratory is equipped with all needed instruments, apparatus and supplies for practical work upon minerals and rocks. Maps, charts, models, a stereopticon with numerous slides, and a growing collection of pho-

tographs, are used to enrich the class work in geology. A full photographic outfit and dark room are available for those desiring to make use of them. The moraines of the Huron-Erie ice lobe and the series of beaches of the ancient glacial lakes are within easy reach by electric car. The drift of the region furnishes an abundance of common rocks and minerals for individual collecting.

PHYSICAL

In the new science building thirteen rooms are appropriated to the instruction in physics. Of these five are located on the first floor and include a lecture room, apparatus and preparation room, laboratory for advanced experimental work, dark-room for photometry, and a large dynamo room which is also the laboratory for advanced physical measurements.

On the second floor are seven rooms including the large lecture room, laboratory for Physics 1, 2 and 3, two dark-rooms for photometry and photography, two apparatus rooms, the office-library, and shop.

Both lecture rooms are furnished with direct and alternating electric currents, means for darkening the windows, and lantern facilities. A dynamo-accumulator system installed on the first floor supplies the lecture tables with the necessary current for demonstration purposes.

The apparatus collection of the department contains not only the pieces required for the ordinary demonstration and experimental work, but special equipment has from time to time been procured to illustrate wireless telegraphy, x-ray work, electrical resonance, radio-activity, high potential effects; work with high vacua; diffraction, polariscopic and spectroscopic work; lanterning, photography, etc., etc.

The department library consists of nearly 300 important books of reference on the subjects of physics and astronomy and excellent sets of charts and portraits of scientists. Also a large collection of astronomical and physical lantern slides.

CHEMICAL

Seven rooms are appropriated to chemistry: A store and dispensing room, a lecture room, a preparation room, a laboratory for elementary chemistry, a laboratory for advanced chemistry, a combustion room, and a combined balance room and library, all supplied with the usual equipment for two and a half years of chemical work.

The lecture room is provided with conveniences for lanterning, for handling gases on a large scale, and for demonstrating the important laws of chemistry.

The balance room contains 14 sets of balances and weights,

9 of which are good analytical balances. There is an excellent chemical library in this room, much used by students.

The laboratory for advanced chemistry contains a good supply of graduated glassware for volumetric work; a number of drying ovens; a Dumas and a Victor Myer apparatus for the determination of molecular weights; and general apparatus for work in physical and organic chemistry.

The laboratory for the work of the first year is especially large, commodious, and well supplied with fittings and apparatus for working out or verifying the principles of the science.

ASTRONOMICAL

The astronomical laboratory consists of an open-air observatory upon the top of the science building; an eighteen foot Warner and Swasey dome for the Alvan Clark and Sons' equatorial; a transit room for the Brandis transit, the Negus chronometer and a small chronograph; and a draughting and store room for astronomical photographs, transparencies, charts, etc.

TEACHERS' LIBRARY

The Natural Science department has accumulated the nucleus of a teachers' library of texts, guides, helps and supplementary readers. This now includes important works relating to zoölogy, physiology, botany, and geology. Pupils and visiting teachers who desire to make a comparative study of texts, or to learn what is available in these subjects, are cordially invited to make use of this library. The general library is supplied with the important books of reference, periodicals, manuals and advanced texts, relating to the natural sciences.

LIBRARY OF PHYSICAL SCIENCE.

The special library of physical science consists of over two hundred books. These are placed in the several laboratories, with facilities for their use. To encourage such use a special card catalogue of scientific topics has been prepared. At present this consists almost entirely of an extension of the method of Poole's Index to scientific periodicals. Some six thousand entries have already been made, and the work is still in progress.

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Societies and Clubs

THE ALUMNI

Since the Normal was first opened in 1853 there have gone from it 5,315 graduates, the great majority of whom have taught in the schools of our own and neighboring states. Over 1,900 have been graduated in the last five years, and the greater part of these have been engaged in teaching in Michigan. Individually, these alumni of the institution exert a considerable and wholesome influence in determining the educational policy of the state with which the interests of the State Normal College are inseparably connected. Until recently there has been very little movement towards organization, but within the last few years a marked increase in this direction has been noticeable. Chief among these efforts has been the reorganization of the Alumni Association last year. There have also been of late more and larger alumni reunions, and several class reunions and a considerable number of local organizations have been formed. Such organizations are a power for good, both to the graduates and to their Alma Mater, and deserve our encouragement and support. The following organizations should be mentioned:

THE ALUMNI ASSOCIATION.

An alumni association has been in existence for many years. Until last year membership was general, the active work of the association being limited to two meetings or reunions, one of which was held at Ypsilanti at Commencement time and the other in connection with the meeting of the State Teachers' Association.

The feeling which has been growing of late that a strong central organization is needed led to the reorganization of the association at the June meeting last year and resulted in placing it upon a permanent basis. An arrangement was concluded whereby the Normal College News is made the organ of the association and the general manager of the News also becomes the general alumni secretary. The membership fee and the News subscription are the same (one dollar) and either includes the other. All graduates, former and present members of the

faculty and former students are eligible as members of the association. The payment of twenty-five dollars in five yearly payments of five dollars each entitles to life membership.

For the present the work is being pushed chiefly along the following lines: 1. The compilation of an alumni directory which shall contain as nearly as possible the names, addresses, vocations and other information of graduates and former students. This is done as a necessary pre-requisite to effective organized work later. 2. The holding of decennial class reunions at Commencement time in addition to the two yearly meetings already mentioned. The classes of 1856, '66, '76, '86 and '96 meet in June 1906. Classes of 1857, '67, '77, 87, and '97 meet in June, 1907. 3. The distribution of information about the College and its graduates, chiefly through the columns of the Normal College News, keeping alive at the same time interest in the institution and the association. 4. The organization of county alumni clubs, whose purpose shall be to foster the interests of the College.

The association gives promise of becoming a great active force for good and deserves every encouragement. Correspondence giving information about former students or members of the faculty is solicited and should be addressed to the Alumni Secretary, care of the College.

THE U. OF M. NORMAL ALUMNI ASSOCIATION.

This association was formed early in the year 1896-7, "for the purpose of uniting and binding the acquaintanceships, efforts and sympathies of those interested in the future welfare and prosperity of the State Normal College as an institution; to keep in close communication with it, to foster a kindly feeling between it and the University, and to promote the interests of ex-Normal students at large." The membership is large and much substantial service has been rendered along the lines mentioned above.

THE CONSERVATORY ALUMNI ASSOCIATION.

This association was formed in the spring of 1897. Each year a reception is given immediately following the Commencement-week concert of the Ypsilanti Choral Society. Visiting alumni, the Conservatory juniors, and members of both Conservatory and College faculties are invited. The opportunity for Conservatory graduates to meet and renew interest in one another and in the work, and to make the acquaintance of new members among the alumni is one to be greatly appreciated.

It is the intention to hold one of these receptions every year. The association has members not only in many states of the union, but others perfecting themselves in the studies beyond the sea.

THE ATHLETIC ASSOCIATION.

The athletic interests of the school are managed by a joint committee, representing the Faculty and the Students' Athletic Association. This method of supervision creates confidence in the work of the organization and insures the wise conduct of its affairs. A new athletic field, large and well graded, furnishes ample opportunity for the practice of the usual outdoor sports. The various clubs and teams are trained under the supervision of the department of Physical Education, the work of the men forming a part of the regular work of the department, as outlined in the Department notes.

Training work in outdoor athletics is in charge of a special coach, who also acts as assistant in the department.

In the Gymnasium, which is one of the most convenient in the state, bathing facilities, lockers, etc., are furnished without expense to students.

Each student contributes one dollar per year for the support of the association and is thereby entitled to a season ticket to all the games. The affairs of the association are in a flourishing condition, and its work contributes much to the formation of a loyal college spirit, besides affording good, healthy exercise and entertainment for our student body.

STUDENTS' CHRISTIAN ASSOCIATION.

This organization consists of two societies—the Young Women's Christian Association and the Young Men's Christian Association. Both are in a prosperous condition and hold two meetings a week—a union prayer service on Wednesday evening, and separate meetings on Sunday afternoon.

Bible study is strongly emphasized, and intelligent interest in missions is awakened. Starkweather Hall, the gift of Mrs. Starkweather, of Ypsilanti, is the center of religious interest in the College.

An employment bureau is connected with the association. Its aim is to aid students in finding some kind of remunerative service, whereby a portion of their college expenses can be defrayed.

Starkweat
Hall
and the
Science
Building

SHAKESPEARE CLUB

A class, studying Shakespeare with Miss Pearce, organized in 1897, a club for the purpose of continuing painstaking, critical study of the works and life of Shakespeare. The purpose of the original organization is still the purpose of the club. Intensive rather than extensive study has been preferred by the members. Each year two of Shakespeare's plays are studied, special attention being given to the origin, structure and development of the plot. The study of the characters also adds much to the interest of the work. The club holds its meetings semi-monthly, and the work for the evening is arranged by some member appointed as leader. The membership is limited and admission to the club is granted only by invitation.

GERMAN CLUB.

This is an organization designed to give the students of the German classes an opportunity to cultivate a facility in German conversation. Interesting programs of an informal nature are carried out by the members. Meetings are held every two weeks, on Friday evenings, from six-thirty to seven-thirty o'clock.

THE YPSILANTI CHORAL SOCIETY.

The Normal Choir, which has been in existence since the beginning of the school, has now been merged into the Ypsilanti Choral Society—a change that has resulted in renewed interest in musical matters.

By commencement time ten entertainments will have been given by the society.

The opera of "Martha," by Flotow was given for the Commencement Concert. The title role was sung by Miss Donna Louise Riblet, soprano, a graduate of the Conservatory. The alto part, Nancy, was taken by Mrs. Annis Gray, of the Conservatory faculty, the tenor part, Lionel, by Mr. Arthur Wilkie, of Detroit, the baritone part, Plunkett, by Mr. Fred G. Ellis, Sir Tristram, by Mr. Milton Cook, and the Sheriff, by Mr. Stanley Wilson.

The first appearance of the Choral Society this year was in the rendition of "When the heart is young," just composed by Mr. Frederic H. Pease. Poem by Charles Swain.

On February 12 was given Haydn's Oratoria, "The Creation," with Mlle. Anita Rio. soprano, of New York City, Mr. William Lavin, tenor, of the Conservatory faculty, Mr. J. Francis Campbell, basso, of Detroit, and Mrs. Annis Gray, contralto. The orchestra consisted of selected musicians from Chicago Symphony Orchestra.

For the Commencement Concert, which will take place earlier than usual this year, "The Erl-King's Daughter," by Niels W. Gade, will be given.

THE LITERARY AND ORATORICAL SOCIETIES

The organization of the Normal Lyceum dates back to the early history of the school. It consists at the present time of the Olympic, Athenaeum and Crescent societies. Each of these societies is limited to a membership of forty. The work is of a general literary character, consisting of readings, recitations, essays, orations, music, etc., and is practically the same in each society. During the year the societies give two joint public programs in Normal Hall, electing for participants on this occasion their most faithful and capable members. Each society has a room of its own, tastefully furnished and provided with a piano.

The Oratorical Association, both in purpose and organization, is closely allied to the Lyceum. The societies contribute to the support of the Oratorical Association. During the past year the association has distributed prizes to the value of one hundred and fifty dollars in the annual oratorical contest and debate.

In connection with these organizations should also be mentioned the Webster, the Lincoln, the Portia and the Minerva debating clubs. These clubs are limited to sixteen members each, and are organized purely for the purpose of debate. The work is done under the supervision of the department of Reading and Oratory, and has proved very valuable for those who wish to perfect themselves in public speaking.

THE NORMAL COLLEGE NEWS.

The Normal College News has been in successful operation for a number of years. An important change in its plan of operation was instituted three years ago in that it was changed from a monthly to a weekly publication. It was hoped in this way there would be a more vital relation between the paper and the life of the College in its various phases. The great success of the enterprise since that time has more than justified the wisdom of the change. The publication has grown to such an extent that by special arrangement with the State Board of Education the general manager is made a member of the faculty.

Three issues of each month are in newspaper form and are devoted mainly to College affairs. These constitute the student and alumni organ of the College and are in the hands of members of the student body. Excellent opportunity is furnished in this way to a limited number of students who have distinguished themselves in literary work, for training in journalistic writing.

The fourth number of each month is in magazine form and

is devoted entirely to educational subjects. From an ordinary college paper it has grown to be a strong pedagogical journal, whose influence is felt throughout Michigan and in the neighboring states. It reaches every high school in our commonwealth and has enlisted among its contributors many of the strongest educational writers. It is edited by a committee of the College faculty, and aims to extend the influence of the institution to teachers everywhere by furnishing them with the best approved pedagogical thought of the day. Its articles are published solely with this end in view and are uninfluenced by commercial reasons. Among the contributors during the year were Professor C. W. Burkett, North Carolina College of Agriculture and Mechanic Arts; Professor J. E. Church, University of Nevada; Professor M. G. Brumbaugh, University of Pennsylvania; Professor John E. Lautner, Marquette Normal School; Professor J. B. Faught, Marquette Normal School; Professor Downing, Marquette Normal School; Supt. C. L. VanCleve, Mansfield, Ohio; Mr. W. H. Bronson, St. Johns, Mich, and others, besides members of the Normal College faculty. The leading feature during the year has been a series of papers with original maps and illustrations on the Geography of the Lake Region, furnishing excellent material for the teaching of Michigan Geography, by Professor Jefferson. During the year 1906-07 will be published a series of papers on the course of study prepared by the faculty of the College Training Department. These will include all branches of the common and high school courses. This work has been in preparation for some years and will be of great value to teachers everywhere. Many educators of national reputation will be among the contributors during the coming year, and will make the magazine numbers of permanent value to teachers and others interested in educational work.

Normal College Extension Lectures

The State Normal College hopes in the future to be helpful in developing and improving the educational work in city, village and rural communities, by allowing its faculty members to give single lectures or courses of lectures at educational and social meetings. Members of the faculty of the College, so far as their regular work will allow, will give lectures as indicated below. The only charge made for these lectures will be necessary railroad and hotel expenses. The occasions will include addresses to high school students, grange meetings, farmers' clubs, lecture associations and literary societies, in cities, villages, or rural communities. The most convenient dates are, of course, Friday evenings and Saturdays. Normal College professors also give Commencement addresses and do Institute work for which regular charges are made.

Persons wishing to avail themselves of these extension lectures should write the president, expressing their preferences, when some member of the faculty will be assigned to the date. Especial attention will be given to Alumni clubs throughout the State. Under such extension lectures the following courses are offered:

President Jones—

Young People I Have Known and What Became of Them.
The Teaching of Patriotism a National Duty.
Eminent Educators I Have Known.
The School and the Child.
Consolidation of Rural Schools an Educational and Social Necessity.
Ideals the Basis of Character Development.
Some Social Conditions Which Need Improving.

Professor S. B. Laird—

Twentieth Century Education.
Scope and Value of an Education.
Adolescence.
School Discipline.
Abnormal School Fatigue and How Partly Eliminated.

Professor C. O. Hoyt—

Pestalozzi, the Swiss Reformer.
Froebel and the Kindergarten.
Our Educational Inheritance.
Thomas Jefferson as an Educator.
"The Great Stone Face."

Professor F. A. Barbour—

The Educative Value of Language Study.
The Educative Value of Music.
Can Literature Be Taught?
Principles Underlying English Composition.
The Imaginative Reading of Shakespeare.

Professor Benj. L. D'Ooge—

Recent Educational Movements.
The Successful Teacher.

The following lectures are illustrated with the stereopticon. There will necessarily be an additional charge for lantern and operator unless these are furnished by the locality.

The Rise and Development of Greek Art.
Athens in the Days of Pericles.
Tours in Greece.
Rome in the Days of the Caesars.
The Roman Forum.
Classic Sites in Sicily.
Life in Ancient Pompeii.

Professor R. C. Ford—

Some Demands of the New Century.
A Boy's Trip to the Orient.
What I Saw in the German Schools.

Professor E. A. Strong—

The Forces of Nature.
The Properties of Matter.
as ordinary substitute work; or more formal lectures on
The Life and Work of Galileo,
The Life and Work of Newton,
Recent Views of the Constitution of Matter,
or lantern lectures, at an expense of $20.00 each, on—
The Moon in Science, Song and Story,
Astronomical Observatories and Observers.

Professor E. A. Lyman—

Historical Sketch of the Origin of Arithmetic,
Illustrated by old texts.
Historical Origin and Development of Measures of Length, Weight, Time, etc.

Professor M. S. W. Jefferson—

Russia and Japan.
The Argentine Republic
Winds and Climates.
Norway.

Professor Nathan A. Harvey—

Popular Scientific Lectures, Illustrated:
- Beside the Still Waters. A lecture on Microscopic life.
- The Psychology of Insects.
- The Cecropia Moth, and Other Moths.
- Extinct Animals.
- The Growth of Plants.
- The Ragweed. A study in adaptation.
- Everyday Chemistry. Illustrated by experiments.

Pedagogical Lectures:
- Periods of Child Growth.
- The Public School in the Light of New Demands Made Upon It.
- The Course of Study.
- The Theory of Play.

General Lectures:
- The Worth of a Man.
- The Culture of Men.
- The Education of Farmers' Sons and Daughters.

Professor Dimon H. Roberts—

Does Education Pay?
Our Debt to the State.
Elements of Success.
Character Building.
Is the School Course Overcrowded?
Fads.
The Culture Element in Education.

Professor J. Stuart Lathers—

Macbeth—A lecture recital.
Julius Caesar—A lecture recital.
Meandering in a Library
A miscellaneous reading recital.

The Normal Lecture and Music Course

During the season of 1905-06 the following entertainments were given in the College Hall, under the auspices of the College Faculty. Tickets to these entertainments are sold at as low a price as is consistent with paying the expenses of the course.

Nov. 6—Frank W. Gunsaulus.
Nov. 10—Arthur Foote and Mrs. Seabury Ford.
Dec. 12—Herbert Witherspoon.
Jan. 10—Jacob Riis.
Feb. 1—John Temple Graves.
Feb. 12—Normal Choir Concert.
Mar. 12—William Hawley Smith.
May 3—Leland T. Powers.

In addition to the lectures given in the regular course speakers of note are frequently secured to address the students at chapel, or on other occasions.

General Items

DISCIPLINE

The State Normal College is supported by the taxpayers of Michigan, and is responsible to the state for the character and scholarship of those it sends out to teach in the public schools. The administrative authorities have therefore adopted the policy of asking such students as are found not to be adapted to school work to withdraw from the institution. Students who fail to pass in a large part of their work, or whose character and habits are such as to unfit them in any sense for the important work of teaching, cannot expect to complete the course and receive the sanction of the authorities of the institution. Every effort will be made to encourage, direct and assist all worthy students, but those who do not show promise of good results or are otherwise unfit to go into the public schools as teachers, will be asked to withdraw.

THE TEACHERS' BUREAU.

The Teachers' Bureau consists of a committee of the Faculty, which seeks to place each graduate of the institution in the position best adapted to his qualifications. These qualifications are determined by a careful examination of the student's complete record as shown by his work done not only in the Training School but also in the various departments of the College. The Bureau in this way seeks to do full justice to every student, and is able to give exact and discriminating information to school officials seeking teachers. During the current year the work of the Bureau has been extended to include all graduates of the College teaching in the state, with the view of giving them all possible assistance in advancing their professional interests. Full and confidential information will be sent school officials concerning candidates. It is our policy not to send out general letters of recommendation for indiscriminate use, but to recommend a candidate for the particular position that he is qualified to fill. A large number of the members of the graduating class have had considerable experience in teaching besides that obtained in the Training School. There are among our students and graduates persons admirably fitted for the various high school principalships and superintendencies. School authorities

are invited to visit Ypsilanti and see the students at work, and make selections of teachers after a personal interview. All letters of inquiry will receive careful attention.

During 1906-7 the Bureau will consist of the following: Professor Dimon H. Roberts, Professor William H. Sherzer and Professor Charles O. Hoyt.

School Fees

Every student is required to pay at the beginning of each quarter, or upon any subsequent entrance for the quarter or for any part of a quarter, an entrance fee of three dollars ($3.00). This is not returnable because of withdrawal after the student has once regularly entered.

Students in the Conservatory of Music who carry subjects in the Normal courses, pay the same entrance fee as do others. Conservatory students who take private lessons only pay each quarter an entrance fee of one dollar and a half ($1.50).

Every student is required to pay one dollar for the support of the Athletic Association, and receives in return a season ticket to all the games.

At the Gymnasium a deposit of 25 cents is required for the use of a locker key, upon return of which the money is refunded

Laboratory fees will be collected in amounts varying from twenty-five cents to one dollar, according to the subjects taken.

Rooms and Board

The school provides no dormitories. Abundant and usually convenient rooms may be had at reasonable rates in the homes of the citizens of Ypsilanti. Board and rooms may be had in the same family or separately. The latter is perhaps the more common. Rooms may be rented, furnished or unfurnished, by persons who wish to board themselves. Board alone may be had either in clubs or in private families. Board and room in families costs $3 to $4 per week. Fuel and lights are generally counted extra. Rooms alone, furnished for two, may be rented for 75 cents to $1.25 each per week. Students rooming alone pay double rent or nearly so. Board in clubs may be had for $2.00 to $2.50 per week.

An approximately correct estimate of all school expenses, including room, meals, school fees and incidentals may be put as follows:

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An approximately correct estimate of all school expenses, including room, meals, school fees and incidentals may be put as follows:

Estimated Total Expenses per Term of 12 Weeks

Room and board, twelve weeks	$36 00
Fuel and lights	6 00
Laundry and incidentals	6 00
Books and stationery	7 00
Registration and other fees	5 00
Total	$60 00

Accepted Schools

Recognizing the importance of a permanent connection between the secondary schools of the state and the Normal College, the Board of Education has adopted a plan whereby formal recognition is given to the work done by the public school system of Michigan. The following extracts from the minutes of the Board explain fully the new policy:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in this state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the College, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public-school systems having not less than thirty-six weeks per year, in which four years are devoted to high-school work, be admitted to the regular two-years' life certificate college course without examination.

2. That all pupils who have finished not less than two years of high-school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on the course for all work which they may have already done beyond the first two years of the high-school course. Students are urgently advised, however, to complete the high-school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the College.

3. That all pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, in the discretion of the Faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily completed on first trial; and that all such cases be reported back to the high schools from which they come, with the facts in each case, to the end that the superintendent and principals of high

schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination may in the discretion of the Faculty be withdrawn from graduates of such schools."

SUGGESTIONS TO HIGH SCHOOLS.

The following suggestions are offered to high schools:

1. To such as are accepted, that they may maintain the required standard of work.

2. To such as are not accepted, that they may give proper preparation to their students in such of the prescribed subjects mentioned below as their limited resources enable them to offer.

Botany

The work desired in this subject should cover half a year and be such as is now being done in the better high schools of the country with the use of some of our modern texts. Laboratory methods should be employed, and a set of carefully prepared notes and drawings should be kept. No expensive equipment is needed, the ordinary hand magnifiers being sufficient. About half the course should be devoted to the study of typical seeds, their structure and germination, plant physiology from simple experiments, and the structure and function of root, stem and leaf. The other half of the course should aim to give the pupil a practical acquaintance with the chief characteristics and relationships of the common families of plants and secure for him some facility in the use of a standard key.

English

GRAMMAR.—Thorough familiarity with inflections, the rules of syntax, and the logical structure of the English sentence is essential. The ordinary eighth grade study of grammar is an inadequate preparation for the teachers' review in the Normal College. There should be a term's review of this subject in the latter part of the high school course.

RHETORIC.—A study of the elementary principles of style, together with continued practice in composition, is necessary. It is deemed of special importance that the writing of high school students should, for several years, come under the eye of expert, authoritative criticism. Much practice in writing, under competent supervision, is indispensable.

ENGLISH LITERATURE.—A year's study of representative English classics, connecting the study of each classic with the literary characteristics of the historical period to which it be-

longs, is essential. This course should include an elementary course in the history of English literature, and a year of study in addition to the so-called English classics required in all courses.

History

Only those subjects which have a practical bearing upon the teaching of our National History are necessary; these are English history and United States history with civics.

General history, though not considered essential, should always find place among high school subjects.

The order is determined by the nature of the subjects. General history precedes and prepares the way for the others. English history affords an intelligent basis for United States history, while civics springs from history, and is best understood when studied as a phase of it. One semester of English history, taught with direct reference to our national history, followed by two semesters of United States history with civil government, will give an adequate course.

Good, accurate text-book work, supplemented by the use of maps, pictures, reprints and reference books, will best serve the purpose of the high schools.

Mathematics

ALGEBRA.—The course in algebra should include fundamental rules, fractions, simple equations, involution, evolution, radicals, and quadratic equations.

ARITHMETIC.—The work in this subject should consist of a semester's review covering the leading topics, and should be preceded by a course in algebra.

GEOMETRY.—The study of geometry should occupy at least one year, and should cover plane and solid (including spherical) geometry.

The work in mathematics outlined above should occupy three years. A review in algebra and geometry should be given in the last year of the high school course.

Physics

An improved course in physics implies the possession, on the part of the school, of sufficient apparatus, in good working order, to demonstrate the important laws and principles of elementary physics. At least one year, *following geometry*, should be given to this subject. The meter and centimeter and their squares and cubes, the gram, kilogram and liter should be thoroughly taught and much used. For this purpose it is preferred that other terms sometimes found in this system be not used. In addition to the above, a laboratory course of at least forty weeks, an hour per week, is expected in case an equipment for

this purpose can be secured, and the time of the teacher be devoted to this subject for the hour, so that the laboratory work may be efficiently supervised. Graphical work, using geometry freely, is deemed important.

In purchasing apparatus many simple, inexpensive pieces should be preferred to costly and showy pieces, and working apparatus to illustrative apparatus. Special regard should be had to the effective demonstration of *fundamental principles* as opposed to novelties and curiosities. The list for purchase should be made up from the text-book used, and not principally from dealers' catalogues.

The student should become expert in the use of scales, dividers, the balance, a burette, thermometer, barometer, a tuning fork, and a pocket lens.

Special stress should be placed upon fundamental concepts, such as mass, weight, density, energy, and their units of measurement.

The above hints are given to indicate a minimum course in physics and not to suggest any limitation of the work on the part of those schools which can do more.

Physical Geography

In the teaching of physical geography it is now not only desirable, but also possible to carry out some of the recommendations of the Committee of Ten. At the time when the report was issued not only were there no suitable texts, but the necessary literature was so widely scattered as to be of little value to the average teacher. The new texts and available references that have appeared since that date justify the recommendation that some of the suggestions of the committee be now more generally put into practice.

It is also especially desired that the work be supplemented as far as possible by direct observation, and the construction and use of topographic and relief maps, charts, models, etc. This work may be made very valuable in the study of the atmosphere and weather changes. The "Physiographic Folio," recently issued by the United States Geological Survey containing the topographical maps of ten type regions, suggests the use to which these maps may be put in the teaching of physical geography.

The text is no longer sufficient material to place in the hands of pupils. Students and teachers should have access to a few well selected references in addition to the above-mentioned charts, maps and models Geography, along with chemistry, physics and botany, has now come to demand its laboratory and laboratory work.

Such text-books as Davis, Tarr and Dryer are to be recommended. A full year's work is highly desirable.

Physiology

A half year's work with some good text, as Blaisdell, or the revised Martin, should be given to this subject. The text should be supplemented with simple individual or class experiments, and an equipment of preparations, models, and charts should be provided.

Conditions of Entrance

ENTRANCE WITHOUT EXAMINATION

Students who are college graduates, or graduates of accepted high schools (see p. 39) will be admitted to the College courses (see p. 47) without examination.

Students who have completed the first two years of the course of an accepted high school will be admitted to the Two Years' Preparatory College Course (see p. 48) without examination.

Students that hold first grade certificates properly endorsed will be admitted to the Two Years' Preparatory College Course (see p. 48) without examination. Such as hold a state certificate will be admitted without examination to the Two Years' College Life Certificate Course (see p. 48). Holders of these two classes of certificates, who have done work in advance of the entrance requirements and who wish credit for the same on their course here will be given examinations in such subjects as they desire to pass.

All students entering without an examination should bring standings from their school as evidence of their fitness to enter upon work here.

The conditions of entrance upon the Rural School Course and the Three-Year-Certificate course are defined on pages 57-58.

Entrance Examinations

Students coming from non-accepted high schools, or whose entrance credits are otherwise unsatisfactory, will be examined. Such as fall below the requirements for admission to the Two Years' Preparatory College Course (see p. 48) will be classified in the Ninth or Tenth Grade of the Normal Training School, from which they may pass in regular order to the course above mentioned. Candidates for this preparatory work will be examined in the following subjects:

Arithmetic

The applicant is supposed to have completed the work of some good text. A fair understanding of the subject is necessary for the examination.

Algebra

The preparatory work includes the following topics: addition, subtraction, multiplication, division, factoring, highest common factor, lowest common multiple, fractions, and simple equations involving one or more variables.

Grammar

This should include the parts of speech, their use and relations in connected discourse, and the structure and analysis of sentences. The knowledge and understanding of the subject should be somewhat above that required in the first eight grades of the public school or fully equal to the requirements in this branch for a second grade license to teach. The applicant should also have had, accompanying his reading and language lessons, much practice in composition, and be able to express himself in clear and grammatical English.

Reading and Orthoepy

Correct pronunciation being an essential of good reading, the regular course presupposes a thorough knowledge of orthoepy. The applicant should not only be able to indicate by diacritical marks the correct pronunciation of words in common use, but should possess a good degree of facility in pronouncing them, as to syllabication, accent, articulation and quality. He will also be expected to render intelligently any ordinary selection of prose or verse, giving satisfactory reasons for emphasis, quality, force, pitch, etc., employed by him.

Geography

All candidates should be familiar with the location and extent of the great countries of the world, of some of their greater cities, and best known mountains, rivers, lakes and adjacent seas.

They should thoroughly know the shape of the outline and of the general surface of each continent and its position on the globe.

The selection of topics for study should be governed by their importance to civilized man rather than by their picturesque or temporary interest.

United States History

The requirements for admission to the regular course are fully equal to those for a second-grade certificate. The applicant is supposed to have completed some good text, and to have acquired a ready knowledge of the main facts in their causal relations, and to be able to use them intelligently.

Civil Government

The teachers' course being only twelve weeks, the requirements for admission will be somewhat rigid. The examination will cover fully and in detail a good text-book, in both general and state government.

Physiology

Applicants should have a familiar knowledge of elementary physiology and hygiene. Such knowledge may be obtained from any of the better high-school texts when they are suitably supplemented with practical work and class demonstration. The student should know that his information is definite, and he should be ready to present simple drawings and diagrams.

Courses of Study

Admission

Students may be admitted at the opening of any quarter.

The several quarters begin on the first Monday of October, January, and April, and continue for twelve weeks.

The conditions under which a student enters will determine the course of study to be pursued. (See page 44.),

By noting the following courses the student will be able to ascertain the character of the work he is prepared to do.

Courses Offered

TWO YEARS' PREPARATORY COLLEGE COURSE

Students who have finished the first two years of an accepted high school course are admitted without examination and are classified on a two years' preparatory course (see p. 48) leading to the college courses described below.

COLLEGE COURSES

The State Normal College offers the following courses of study? *

I. The Two Years' College Life Certificate Course (see p. 48).

NOTE—This with the Two Years' Preparatory College Course constitutes the Four Years' Life Certificate Course.

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*For the special course for Critic Teachers, the Specializing Kindergarten Primary Course, the Manual Training Course and the Course in Domestic Science see page 131.

II. The Three Years' College Course (Junior Degree Course) leading to a Life Certificate and the degree of Bachelor of Pedagogics (see p. 54).

NOTE—The first two years of this course are identical with the Two Years' College Life Certificate Course.

III. The Four Years' College Course (Senior Degree Course) leading to the degree of Bachelor of Arts (see p. 54).

NOTE—This course secures the Life Certificate, the degree of B.Pd., and the degree of A.B.

Description of Courses

THE TWO YEARS' PREPARATORY COLLEGE COURSE

This course (see p. 52) is strictly preparatory, covering substantially the ground embraced in the last two years of the ordinary high school course. Students who have completed no less than two years of work in an accepted high school may enter on the course without examination, and any work already done beyond two full years of high school work will be credited. In case a subject included in the course has already been taken as part of the first two years of high school work, such subject may be omitted by permission of the head of the department concerned, and an elective from a department taken instead. Such omission shall not, however, reduce the amount of work required for the completion of the course—the elective merely taking the place of the omitted subject.

This course when followed by the Two Years' College Life Certificate Course (see p. 53) constitutes the Four Years' Life Certificate Course.

THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

This course (see p. 53) is designed primarily for graduates of accepted high schools. Such graduates on entering may take either a *general* or a *specializing* course.

GENERAL COURSE.—Students taking the General Course must take Elementary Drawing and as electives such required high school subjects (see p. 49) as were not completed in their high school course. Further, eight teachers' courses are required (see p. 51) and at least 12 weeks of electives must be drawn

from each of the following departments: English, History, Geography, Natural Sciences, Physical Sciences, Mathematics (see Electives for Students on the General Course, p. 50).

SPECIALIZING COURSE.—Students wishing to specialize in any department will find full liberty within this course. The head of the department in which the student specializes becomes the student's patron. Under the guidance of his patron the student enters at once upon his special line of work and is not required to take omitted high school subjects. He will omit elementary drawing, take but six teachers' courses (see p. 51) and select 12 electives in such departments as his patron shall advise.

The restrictions and regulations governing these two courses leading to a life certificate are further detailed as follows:

Required Subjects

The following subjects are required of all students on the Life Certificate Course:

Psychology		24 Weeks
General Method		12 "
History of Education		12 "
Teachers' Courses	General Students	96 "
	Specializing Students	72 "
Teaching		24 "
Physical Training (no credit)		48 "

The first three subjects named should be taken in the order given above, except by persons on partial courses.

High School Subjects Required of all Students not Specializing

The high school subjects which must be credited from accepted schools, or taken as electives here unless a student is specializing, include the following:

Algebra	24 Weeks
Geometry	36 "
Rhetoric and Literature	36 "
English and United States History	36 "
Physical Geography	12 "
Botany	24 "
Physics	36 "
Physiology	12 "

No further credit will be given for a subject taken in a high school and repeated here.

The Two Years' College Life Certificate Course, whether general or specializing, cannot be shortened by high school credits. It may be shortened, however, by credits from a college, but not to exceed 144 weeks.

Electives for Students on the General Course

Students on the general course must choose 12 weeks of electives from each of six departments (see p. 48). This requirement they will satisfy first of all by the election of omitted high school subjects (see last paragraph, p. 49). To such as have finished the required high school subjects the following electives in the several departments are recommended.

ENGLISH.

Principles of Criticism 1 (1)*

GEOGRAPHY.

Teachers' Geography
General Geography

HISTORY.

Advanced American History (10)
Nineteenth Century History (4)
Advanced English History (9)

MATHEMATICS.

Trigonometry (13)
Higher Algebra 1 (14)

NATURAL SCIENCE.

BOTANY.

Cryptogamic Botany (4)
Plant Physiology (5)
Plant Ecology (6)

ZOÖLOGY

Animal Studies (9)
General Zoölogy (10)
Vertebrate Structures (11)

PHYSIOLOGY.

Advanced Physiology (14)
Bacteriology (16)

GEOLOGY.

Dynamical Geology (18)
Historical Geology (19)
Glacial Geology (20)

* Figures in parenthesis refer to the courses thus numbered in the different departments. see pp. 67 ff.

PHYSICAL SCIENCE.

Chemistry 1 (6)
Chemistry 3 (9)
Principles of Physics
Physical Laboratory Practice (19)

Teachers' Courses*

Students on the general course are required to take *eight* Teachers' Courses.

Students who are specializing are required to take *six* Teachers' Courses.

These they will select from the following list:

1. Arithmetic.
2. Civics.
3. Drawing.
4. Field Geography.
5. Geography.
6. Grammar.
7. History.
8. Music.
9. Physical Education.
10. Physiology.
11. Primary Nature Study.
12. Reading.
13. Secondary Nature Study.
14. Teachers' Course in Ancient Languages.
15. Teachers' Course in Modern Languages.

Each course contains 12 weeks. Courses 14 and 15 are open only to students specializing in languages. The right is reserved to assign to any student a particular teachers' course should his work show special need for it.

* For Teachers' Courses required for the Three-Year Certificate, see page 57.

TWO YEARS' PREPARATORY COLLEGE COURSE

	First Year		Second Year	
FIRST TERM	Algebra 3	12	Solid Geometry	12
	Rhetoric	12	Physics 1	12
	English History 1	12	English Lit. 1	12
	*Elective	12	Elective	12
			†Physical Training 1	
SECOND TERM	Plane Geometry 1	12	Electives	24
	English History 2	12	Physics 2	12
	Structural Botany	12	English Lit. 2	12
	*Elective	12	†Physical Training 2	
THIRD TERM	Plane Geometry 2	12	Physics 3	12
	Systematic Botany	12	Electives	24
	Elective	12	Am. Col. History	12
	Physical Geography	12	†Physical Training 3	

*Students that have had no foreign languages are advised to elect at least two years of Latin, German, or French.

†Four terms of Physical Training are required of all students before graduation.

TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

	Third Year		Fourth Year	
FIRST TERM	Psychology 1	12	Elective	12
	Teachers' Courses	24	Teachers' Course	12
	*El. Drawing 1	12	Teaching or electives	24
	†Physical Training 4			
SECOND TERM	Psychology 2	12	Teachers' Course	12
	Teachers' Course	12	Hist. of Education	12
	Elective	12	Teaching or electives	24
	*El. Drawing 2	12		
THIRD TERM	General Method	12	Teachers' Courses	24
	Teachers' Course	12	Teaching or electives	24
	Electives	24		

*Not required of students on the specializing course.
†Four terms of Physical Training are required of all students before graduation.

THE THREE YEARS' COLLEGE COURSE

The Three Years' College Course leads to the degree of Bachelor of Pedagogics. The first two years of this course are identical with the Two Years' College Life Certificate Course. It calls for one full year (144 weeks) additional work, and is never granted as an honorary degree. Students from other institutions who wish to pursue this course will be given credit for work done elsewhere as far as it corresponds in degree and kind to requirements here; but no amount of such credit shall shorten the course here to less than a year. Persons holding the A. B. degree from any reputable college may receive the degree of Bachelor of Pedagogics by taking a year of College work in residence, including the "Required Subjects" named on page 49.

Enrollment

Students wishing to enter on the work of the third year will fill out and present to the council a blank stating:

a. The work previously done.

b The courses of study which they purpose to follow during the year. (For courses offered by the various departments see page 67 ff.).

Classification and Required Studies

The classification of all students in the third year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which subjects are elected.

The work elected may be either general or specializing in character, but must always include:

a. Thirty-six weeks of advanced work in education.

b. One year of foreign language, unless at least two years of foreign language have already been credited. Students having credit for but one year of foreign language are required to pursue the same language for an additional year.

THE FOUR YEARS' COLLEGE COURSE

The Four Years' College Course leads to a degree of Bachelor of Arts in Education. This course is a continuation of the Three Years' College Course described above, and demands one year (144 weeks) of additional college work. For this final year all the departments offer the highest and best form of professional training in both general and special lines. The degree which crowns its completion is never granted *honoris causa*, nor can any one receive it who has not already satisfied the requirements for the degree of B.Pd.

Enrollment

Students wishing to enter on the work of the fourth year will fill out and present to the council a blank indicating:

a. The work previously done.

b. The course of study which they purpose to follow during the year. (For courses offered for the fourth year by the several departments see page 67 ff.).

Classification and Required Studies

The classification of all students in the fourth year shall be in the hands of a committee consisting in each case of the President and the heads of departments from which the subjects are elected.

The subjects elected may be either general or specializing in character but must always include:

a. Twelve weeks in the philosophy of education.

b. The second year of a foreign language for those who have not already received credit for at least two years of foreign language study.

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the books but leads to no certificate, unless one of the full courses is completed.

Persons wishing to take up special studies are subject to the same conditions of admission as other students. (See p. 44).

Many students for various reasons are not able to complete one of the regular courses without interruption. To these no credits once earned are lost, and there is no objection to their continuing and completing the course at any subsequent time.

Limited Certificates

Besides the regular courses outlined in the preceding pages, there are two forms of limited certificates given for partial courses.

1. Three-Year Certificate Course

A *Three-Year Certificate*, renewable for three years, will be given upon the completion by high school graduates of fourteen courses of work, as specified below. This will require one year and one summer term of work. The certificate is good in grades below the tenth. It includes the following courses:

Psychology 1 and 2.....24 Weeks
General Method.....12 Weeks
Four Teachers' Courses, selected from the following six teachers' courses:

Grammar
Arithmetic
Physiology
Geography
History
Reading
.....48 Weeks

Teaching .....24 Weeks
Elementary Drawing 1 and 2.....24 Weeks
Three electives from omitted high school subjects (see p. 49).....36 Weeks
Except that specializing students may choose three terms of their specialty instead.

Students who take out this limited certificate and who return for the life certificate afterwards will be required to complete thirty-six weeks of work for the life certificate.

II. Rural School Course

A *three-year certificate*, good for three years and renewable for three years, valid in schools employing not more that two teachers, will be given on completion of the following course:

English Grammar, Composition and Literature for the Grades	36 Weeks
Reading and Orthoepy (with methods of teaching primary reading)	24 "
History of the United States (with methods)	24 "
Geography (with methods)	24 "
Arithmetic (with methods)	24 "
Elementary Algebra	24 "
General History	24 "
Elementary Physics	24 "
Observation and Teaching in the Training School	24 "
Botany	12 "
Elementary Agriculture	12 "
Civil Government	12 "
School Management	12 "
Psychology	12 "
Physiology	12 "
Music	12 "
Drawing	12 "
Penmanship	12 "
Physical Training (without credit)	36 "

NOTES

1. Teachers of experience in rural school work may receive credit on the above course in accordance with such experience.

2. Pupils who have taken any of the above subjects in high schools may receive credit for the subjects so taken.

3. The course (without credits) will require two years and one term (seven terms of 12 weeks each); or two years and two summer terms (summer terms six weeks each). The greatest amount of credit possible will reduce it to one year—that is, three terms of 12 weeks each.

4. Persons completing the course will receive a certificate valid for three years anywhere in the state in schools employing not more than two teachers. This certificate is renewable once for three years.

5. The Normal College desires to help those who need to prepare for second and third grade certificates. Classes in the necessary subjects are in progress every quarter.

6. Students wishing manual training will be allowed to take it in place of some one of the prescribed subjects under direction of the President.

Advanced Credits

Under certain conditions credit for work done elsewhere will be allowed upon courses here, provided that no credits from high schools shall shorten the Two Years' College Life Certificate Course (see p. 48). The Committee on Advanced Standing (see p. 14) may at their discretion allow such standings from the following schools: (1) The University of Michigan, the Agricultural College, and all other regularly incorporated Michigan colleges; (2) institutions of like rank in other states; (3) accepted Michigan high schools; (4) reputable secondary and superior schools in other states.

Candidates bringing standings from any of these schools will first submit them to the Committee on Advanced Standing for credit. These credits should then be reported to the office, and on this basis a classification will be made out.

Candidates for limited certificates must, as soon as possible after classification, secure their credits for work done elsewhere from the several heads of departments, after which these credits must be handed to the clerk for record.

Directions to Students

The following regulations apply to all students:

1. Present your credentials at the General Office and receive instructions as to classification.

2. Specializing students are classified by the head of the department in which they wish to specialize. Such classification will not be accepted for record unless signed by the head of the department concerned.

3. A copy of your high school or other standings should be filed early in the office with the clerk. Blanks for this purpose will be supplied on application.

4. After classification, pay your fee to the clerk. She will sign and return to you your classification card.

5. Enroll in your classes without delay. Each of your teachers will sign your card.

6. After having enrolled in all your classes, return your classification card to the clerk.

7. *Leave no classes permanently and make no change in classification without written permission from the President.*

8. After the clerk has signed the classification card all changes must be reported to her and recorded.

9. No student will be permitted to take more than *four* studies (not including physical training) except by

permission of the committee on extra studies. Application for an extra study should be made in writing, with reasons therefor, to the chairman of the committee (see p. 14).

10. Students bringing credits beyond the requirements for entrance will receive no advance credit for the first year of a foreign language unless it be followed here by a second year of the same language.

11. It is important that all students should bear in mind the following regulations:

a.—Students on the Life Certificate Course, who are not specializing, must take all omitted high school subjects (see p. 49) as electives.

b.—Students not specializing on the Two Years' College Life Certificate Course must take seventy-two weeks of the ninety-six weeks of electives in the following six departments: English, History, Geography, Mathematics, Physical Science, Natural Science (see p. 50).

c.—Students not specializing on the Two Years' College Life Certificate Course must take *eight* of the Teachers' Courses (see p. 51), specializing students *six*, and candidates for the Three Years' Certificate, *four* (see p. 57).

d.—All students are required to take four terms of physical training, for which no credit is given.

12. Leave your Ypsilanti address at the postoffice and at the Normal office, and report any change.

Students' Record

A tabulated statement of the work required for graduation from the Two Years' College Life Certificate Course, both general and specializing, is given below. It is suggested that each student keep a record of the progress of his work by means of this blank for his own information and guidance.

REQUIREMENTS FOR GRADUATION ON THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

Psychology 1, 2 (p. 121).
General Method (p. 122).
History of Education (p. 122).
Drawing, Elementary 1, 2 (p. 67).
Teaching (p. 128).

Teachers' Courses (p. 51).	Electives (p. 49).
1.....	1. English (pp. 50 and 70).....
2.....	2. Geography (pp. 50 and 75).....
3.....	3. History (pp. 50 and 83).....
4.....	4. Mathematics (pp. 50 and 93).....
5.....	5. Natural Science (pp. 50 and 101).....
6.....	6. Physical Science (pp. 50 and 115).....
7.....	7. Free Elective .....
8.....	8. Free Elective .....

Physical Training (p. 110).

1.....

2.....

3.....

4.....

Specializing Course

Psychology 1, 2 (p. 121)*
General Method (p. 121).
History of Education (p. 122)
Teaching (p. 128).

Teachers' Courses (p. 51).	Electives (p. 49).
1.....	1.....
2.....	2.....
3.....	3.....
4.....	4.....
5.....	5.....
6.....	6.....
	7.....
Physical Training (p. 110).	8.....
2.....	9.....
3.....	10.....
4.....	11.....
1.....	12.....

SCHEDULE OF CLASSES—FALL QUARTER

8-9	9-10	10-11	11-12
Algebra Higher 1	Algebra, Higher 1	Algebra 2	Arithmetic, Tchrs'.
Arithmetic, Tchrs'.	Algebra, Higher 2	Algebra, Methods in	Chemical Lab. 4
Bl'kb'd Sketching	Arithmetic, Tchrs'.	Arithmetic, Tchrs'.	Counterpoint 1
Botany, Structural (8-10)	Chemistry 1	Artistic Singing for Adv. Students	Debating
Chemistry, Physical	Drawing, Adv. 2	Botany, Structural (10-12)	Differential Equations
Civics, Teachers'	Drawing, Elem. 1	Chemistry 4	Drawing, Elem. 1
Drawing, Elem. 2	Geography, Elem.	Chemical Lab. 1	Elocution 2
Drawing, Teachers'	Geography, Tchrs'.	Civics, Teachers'	French 4
French 1	Geometry, Plane 2	Drawing, Elem. 1	Geography, Tchrs'.
Geometry, Analyt.	German 7	French 1	Geography, Gen.
Geometry, Plane 1	German 10	French 7	Grammar, Tchrs'.
German 13	Greek 4	Geography, Tchrs'.	Harmony 1
Greek 1	History, Adv. Amer.	German 4	History, Greek
Harmony 4	History of Ed. 2	Grammar, Tchrs'.	History, Industrial
History of Ed. 1	History, U. S. Pol.	Greek 7	Laboratory Econ'my
History, English 1	Latin 7	History of Ed. 2	Latin 4
History, Modern	Musical Form and Analyzation for Supervisors	History, Greek	Latin 10
History, Teachers'	Musical Form and Composition 1	History, Teachers'	Life Sketching
Kindergarten Primary Music	Nature Study, Pri.	Latin 11b	Mythology
Latin 13a	Phys. Train. 1 (w)	Latin 20	Physical Laboratory Practice
Latin 16	Physics 1, Lab.	Latin 23	Phys. Train. 1 (w)
Meterology	Physiography	Life Sketching	Phys. Train. 4 (m)
Nature Study, Pri.	Physiology, Prep.	Minerals and Rocks	Psychology 1
Pedagogy, (General Method)	Principles of Crit. 1	Music, History of, 1	
Phys. Train., 1 (w)	Psychology 1	Phys. Train. 1 (w)	
Physics 1	Psychology 2	Physics, Method in Physiology, Tchrs'.	
Physics Advanced	Reading, Teachers'	Principles of Physics	
Principles of Crit. 1		Psychology 1	
Psychology Adv.			
Reading, Teachers'.			

1-2	2-3	3-4	4-5
Arithmetic, Prep.	Anglo Saxon	Animal Studies	Athletics (m) 1 and 5
Chemistry 1, Lab.	Astronomy	Arithmetic, Tchrs'.	Phys. Train. 3 (w)
Cookery	Botany, Cryptog'mic	Athletics (m) 1 and 5	Phys. Train. 7 (w)
Drawing, Elem. 1	Cookery	Cookery	Voice Culture for College Students (once each week.)
Elocution 1	Geography, Field (2-4)	German 1	
German 1	German 7	Grammar, Prep.	
Kindergarten Instruction 1	Grammar, Tchrs'.	History, English 1	
Manual Training	History, Greek	Lit. English 1	
Music, Elem, of, 1	Hist. United States (rural school)	Manual Train. 1	
Sewing	Kindergarten Instruction 3	Philosophy, Introduction to	
Zoölogy, General (1-3)	Latin 1	Phys. Train. 1 (m)	
	Manual Training	Phys. Train. 1 (w)	
	Meth. in Music for Eight Grades	Physiology, Tchrs'.	
	Physical Education, Teachers'	Psychology 1	
	Physical Train. 1 (w)	Sewing	
	Physical Train. 4 (w)	Shakespearean Reading	
	Physiology of Exercise		
	Physiology, Tchrs'.		
	Psychology 1		
	Reading, Teachers'		
	Rhetoric		
	Sewing		
	Trigonometry		

Hours to be arranged for Botanical Problems, Palaeotology, and Specialties in Zoölogy.

SCHEDULE OF CLASSES—WINTER QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 2	Algebra, Higher 1	Algebra 3	Chemistry 5 Lab
Arithmetic, Tchrs'	Algebra, Higher 2	Algebra 2	Counterpoint 2
Bl'kb'd Sketching	Arithmetic Tchrs'.	Algebra, Higher 1	Drawing, Elem. 1
Botany, Structural (8-10)	Chemistry 2	Arithmetic, Tchrs'.	French 5
Calculus 1	Drawing, Elem. 2	Artistic Singing for Advanced Students	Geography, General
Chemistry of Common Life	Drawing, Adv. 1	Botany, Structural (10-12)	Geography, Physical
Civics, Teachers'	Geography, Tchrs'.	Chemistry 5	Geometry, Solid Analytical
Drawing, Elem. 2	Geometry, Plane 2	Chemical Lab. 2	Harmony 2
Drawing, Teachers'	German 8	Civics, Teachers'	Historical Material
French 2	German 11	Drawing, Elem. 2	History, Roman
Geometry, Plane 2	Grammar, Tchrs'.	French 2	Latin 5
German 14	History of Ed. 2	French 8	Latin 21
Grammar, Tchrs',	Hist., Eng. Const'l	Geography, Tchrs'.	Life Sketching
Greek 2	Hist., 19th Century	Geology, Dynamical	Mythology
Harmony 5	Latin 8	Geometry, Method in	Nineteenth Century Poetry
History of Ed. 2	Latin 11	German 5	Optics, Advanced
History, English 1	Music, Elem. of, 2	Greek 5	Phys. Lab. Practice
History, English 2	Musical Comp. 2	Greek 8	Phys. Train. 3 (w)
History, Teachers'	Nature Study, Pri.	History of Ed. 2	Phys. Train, 5 (w)
Kindergarten—Primary Music	Phys. Train. 2 (w)	History, Roman	Physics, Advanced 2
Latin 14b	Physics 2, Lab.	History, Teachers'	Psychology 2
Latin 17	Physics, Method in	Latin 14a	Reading, Teachers'
Logic	Physiography	Latin 22	Trigonometry
Nature Study, Pri.	Physiology, Prep.	Latin 24	
Pedagogy (General Method)	Political Economy	Life Sketching	
Phys. Train. 2 (w)	Principles of Crit. 1	Lit., English 1	
Physics 2	Principles of Crit. 2	Music, History of, 2	
Physics, Prep.	Psychology 1	Phys. Train. 2 (w)	
Principles of Crit. 2	Psychology 2	Principles of Physics	
Reading, Teachers	Reading, Teachers'	Physiology, Advanced (10-12)	
	Sight Reading and Methods for Piano Students	Physiol. of Exercise	
		Physiology, Prep.	
		Principles of Crit. 1	
		Psychology 2	
		Reading, Teachers'	
		Shakespeare	

1-2	2-3	3-4	4-5
Arithmetic, Prep.	**Algebra 1**	**Animal Studies**	**Athletics (m')**
Chemical Lab. 2	**Arithmetic, Tchrs'.**	**Cookery**	**Phys. Train. 1 (w)**
Cookery	**Cookery**	**German 2**	**Phys. Train. 8 (w)**
Drawing, Elem. 1	**Elocution 2**	**Grammar, Tchrs'.**	**Voice Culture for College Students (once each week.)**
Elocution 1	**Geography U. S.**	**History, English 2**	
English Composition	**German 8**	**Hist. of Philosophy**	
German 1	**History, Roman**	**Lit., English 2**	
German 2	**Hist., United States, (rural school)**	**Manual Training**	
Greek 8	**Kindergarten Instruction 2**	**Phys. Train. 1 (m)**	
Kindergarten Instruction 1	**Latin 2**	**Phys. Train. 2 (w)**	
Manual Training	**Logic**	**Physiology, Tchrs'.**	
Music, Elem. of, 1	**Manual Training**	**Psychology 2**	
Physical Train. 3 (m)	**Method in Music for Eight Grades**	**Sewing**	
Sewing	**Middle English**	**Shakespearean Reading**	
Zoölogy, General 2	**Phys. Ed., Teachers'**		
	Phys. Lab. Prac. Adv		
	Phys. Train. 2 (w)		
	Phys. Train. 5 (w)		
	Physiology, Tchrs'.		
	Plant Physiology		
	Psychology 2		
	Rhetoric, Advanced		
	Sewing		

SCHEDULE OF CLASSES—SPRING QUARTER

8-9	9-10	10-11	11-12
Animal Studies	Animal Studies	Arithmetic, Tchrs'.	Algebra 4
Acoustics	Algebra, Higher 1	Artistic Singing for	Bl'kb'd Sketching
Algebra, Higher 2	Arithmetic, Tchrs'.	Advanced Students	Chemical Lab. 6
Blackboard Sketch-	Chemistry 3	Bacteriology (10-12)	Counterpoint 3
ing, Advanced	Drawing, Elem. 2	Botany, Systematic	English Fiction
Calculus 2	Drawing, Adv. 2	(10-12)	Geography, General
Chemistry, Organic	Geography, Tchrs'.	Chemistry 6	Geography, Tchrs'.
Civics, Teachers'	Geography of	Chemical Lab. 3	Greek 6
Drawing, Elem. 2	Europe	Civics, Teachers'	Harmony 3
French 6	Geometry, Plane 1	Drawing, Elem. 1	History of Ed. 4
Geometry, Plane 3	Geometry, Solid	French 3	History, Mediæval
German 15	German 9	French 9	Latin 6
Grammar, Teachers'	German 12	Geography, Tchrs'.	Life Sketching
Greek 3	Grammar, Tchrs'.	Geology, Glacial	Modern Language,
Harmony 6	Hist., Eng. Const'l.	German 6	Teachers' Course
Hist., Adv. English	Hist., U. S. Pol.	Greek 9	Oratory
History, English 2	History of Ed. 2	History of Ed. 3	Pedagogy (General
History, Teachers'	Latin 9	History, Mediæval	Method)
Latin 15	Latin 12	History, Teachers'	Phys. Lab. Practice
Latin 18	Musical Comp. 3	Hist. of Mathematics	Phys. Train. 6 (w)
Method in Music for	Music, Elem. of, 1	Latin 19	Physics, Adv. 3
Eight Grades	Music, High School	Latin 22	Sociology
Nature Study, Pri.	Methods in	Latin 24	
Pedagogy, (General	Nature Study, Pri.	Life Sketching	
Method)	Pedagogy (General	Masterpieces (Eng-	
Philosophy of Ed.	Method)	lish)	
Phys. Train. 3 (w)	Physics, Methods in	Music, History of, 3	
Physics 3	Physics 3, Lab.	Pedagogy (General	
Plant Ecology (7-9)	Phys. Train. 2 (w)	Method)	
Principles of Crit. 1	Phys. Train. 3 (w)	Phys. Train. 3 (w)	
Reading, Teachers'	Political Science	Principles of Physics	
	Principles of Crit. 1	Principles of Crit. 2	
	Psychology 2	Reading, Teachers'	
	Reading, Teachers'	Theory of Equations	

1-2	2-3	3-4	4-5
Algebra 1	Algebra 3	Astronomy, Adv.	Athletics, (m) 3, 4, 5
Bl'kb'd Sketching	Astronomy	Athletics (m) 3, 4, 5	Greek Art
Chemical Lab. 3	Botany, Systematic	Cookery	Phys. Train. 2 (w)
Cookery	(2-4)	German 3	Phys. Train. 1 (w)
Elocution 1	Civil Government	Grammar, Prep.	Phys. Train. 9 (w)
English Composi-	Cookery	History, English 1	
tion	Current Topics	Hist. of Philosophy	
German 2	Elocution 2	Manual Training	
German 3	Ethics	Pedagogy (General	
Greek 9	Geography, Field	Method)	
Kindergarten In-	(2-4)	Phys. Train. 3 (w)	
struction 2	German 9	Physiology, Tchrs'.	
Manual Training'	History, Current	Rhetoric	
Music, Elem. of, 2	History Mediæval	Sewing	
Phys. Train. 3 (m)	Kindergarten In-	Shakespearean	
Physiology, Prep.	struction 3	Reading	
Sewing	Latin 3		
	Lit., English 2		
	Manual Training		
	Pedagogy (General		
	Method)		
	Philosophy of Ed.		
	Phys. Ed., Teachers'		
	Phys. Train. 3 (w)		
	Phys. Train. 6 (w)		
	Physiology, Tchrs'.		
	Rhetoric, Advanced		
	Sewing		
	Vertebrate Struc-		
	tures		

Hours to be arranged for Plant Embryology and Special studies in Zoölogy.

Details of Departments

Drawing

Miss Bertha Goodison.

Miss Annie H. Olmsted. Miss Lota H. Garner.

HIGH SCHOOL COURSES

1. Elementary Drawing 1. 12 Weeks.

This course takes up the study of the following type forms: the sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament and architecture.

Fall, winter and spring quarters.

Fall quarter—Four sections: 8-10, 10-11, 11-12, 1-2.
Winter quarter—Two sections: 11-12, 1-2.
Spring quarter—One section: 10-11.
Room 10. Miss Garner.

2. Elementary Drawing 2. 12 Weeks.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications: borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

Fall, winter and spring quarters.
Fall quarter—One section: 8-9.
Winter quarter—Three sections: 8-9, 9-10, 10-11.
Spring quarter—Two sections: 8-9, 9-10.
Room 10. Miss Olmsted, Miss Garner.

COLLEGE COURSES

3. BLACKBOARD SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.
Fall, winter and spring quarters.
Fall quarter—One section: 8-9.
Winter quarter—Two sections: 11-12, 1-2.
Spring quarter—Two sections: 11-12, 1-2.
Room 24. Miss Garner.

4. ADVANCED DRAWING 1. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers and other subjects covering the main problems in decorative design.
Fall and winter quarters.
Fall quarter—One section: 9-10.
Winter quarter—One section: 9-10
Room 14. Miss Olmsted.

5. ADVANCED DRAWING 2. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal from still-life and casts. Landscape composition is studied with some out-of-door sketching.

Advanced drawing 2 may be taken before advanced drawing 1.
Fall and spring quarters.
Fall quarter—One section: 9-10.
Spring quarter—One section: 9-10.
Room 14. Miss Olmsted.

6. TEACHERS' DRAWING. 12 WEEKS.

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the principles of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

Fall and winter terms.

Fall quarter—One section: 8-9.
Winter quarter—One section: 8-9
Room 9. Miss Goodison.

7. LIFE SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 and advanced drawing 1 and 2, or their equivalent, must precede.

This class has two hours daily, four days in the week The work is mainly in pencil from life models. Instruction is also given in figure composition.

Fall and winter quarters

Fall quarter—One section: 10-12.
Winter quarter—One section: 10-12.
Room 7 Miss Olmsted.

8. LIFE SKETCHING 2. 12 WEEKS.

Elementary drawing 1 and 2, advanced drawing 1 and 2, and life sketching 1, or their full equivalent, must precede.

In this course studies are made from the head and figure in light and shade and color.

Exercises in original illustrative composition are given, the principles involved being illustrated by reproductions of famous paintings.

Spring quarter—One section: 10-12.
Room 7. Miss Olmsted.

9. ADVANCED BLACKBOARD SKETCHING. 12 WEEKS.

This is a continuation of Blackboard Sketching 1, and is intended particularly for students specializing in this department.

The aim in this course is to develop skill and rapidity in execution, and to offer opportunity for making original sketches.

Drawings are made of figures, animals, landscapes and plant forms.

Spring quarter—One section: 8-9.
Room 24. Miss Goodison.

Students who are not specializing in this department may elect Courses 2 to 9 for the third or fourth college year.

English

PROFESSOR FLORUS A .BARBOUR

MISS ALMA BLOUNT MISS ESTELLE DOWNING

MISS ABIGAIL PEARCE

PREPARATORY COURSE

1. GRAMMAR.

An elementary, but systematic course in English Analysis, together with a rapid review of Etymology and Syntax. The course should enable students to pass the county examinations for a Third Grade Certificate, and is preparatory to the study of elementary Rhetoric in the Normal College

Fall quarter, 3-4. Room 42. Miss Downing.
Spring quarter, 3-4 Room 44. Miss Blount.

HIGH SCHOOL COURSES

1. RHETORIC.

Presupposes preparatory Grammar Elementary work in note-taking and outlining of themes, with instruction in the intelligent use of library "helps." This is followed by a study of paragraphs, sentences, and words, with special reference to the principles of unity, coherence, and emphasis. Continual practice in composition is given throughout the course.

Fall quarter, 2-3. Room 42. Miss Downing.
Spring quarter, 3-4. Room 42. Miss Downing.

2. ENGLISH COMPOSITION.

This course is designed for high school graduates who have had insufficient training in English. Its aim is to lead the student to a more correct and forcible expression of his thoughts, both in speaking and writing. There will be instruction and drill in connection with the most common speech errors, together with oral discussion of assigned themes, and constant practice in writing. Through-

out the course attention will be paid to diction, sentence structure and paragraphs.
Winter quarter, 1-2. Room 42. Miss Downing.
Spring quarter, 1-2. Room 42. Miss Downing.

3. ENGLISH LITERATURE 1 and 2.

The courses include an outline history of English Literature, based upon the great forces that have been at work shaping and developing the life of the English people. This historical work is chronological and is illustrated and supplemented by the study of representative classics from different periods. Course 1 extends from the earliest times to the age of Milton; Course 2, from Milton to modern times.

Course 1—Fall quarter, 3-4; winter quarter, 10-11. Room 44. Miss Blount.

Course 2.—Winter quarter, 3-4; spring quarter, 2-3. Room 44. Miss Blount.

COLLEGE COURSES

1. PRINCIPLES OF CRITICISM 1.

The elementary principles of literary criticism applied to the study of selections from the American poets. The nature of criticism is considered, the relation of the author to his work, the rhetorical principles of style, and the aesthetic principles underlying literary art. The course presupposes Rhetoric and English Literature 1 and 2.

Fall quarter, 8- 9. Section 1. Professor Barbour.
8- 9. Section 2. Miss Pearce.
9-10. Section 3. Professor Barbour.
9-10. Section 4. Miss Pearce.
9-10. Section 5. Miss Downing.
Winter quarter, 10-11. Section 1. Miss Pearce.
Spring quarter, 9-10. Section 3. Room 40. Professor Barbour.
9-10. Section 2. Room 41. Miss Pearce.
8- 9. Section 1. Room 40. Professor Barbour.

2. PRINCIPLES OF CRITICISM 2.

A study of American prose in accordance with the method suggested for Course 1, and in all cases to be preceded by Course 1. The course is deemed especially valuable as an opportunity for studying different types of prose: the essay, narrative and descriptive (Irving); the essay, meditative and philosophical (Emerson); the short story

Hawthorne and Poe); minute observation (Thoreau); and the oration in Webster's Reply to Hayne.
Winter quarter, 8-9. Section 1. Professor Barbour.
9-10. Section 2. Miss Pearce.
Spring quarter, 10-11. One section. Miss Pearce.

3. NINETEENTH CENTURY POETRY.

This course is introduced by a brief review of the different periods of English Literature. The review is followed by a more particular study of nineteenth century poetry, with special consideration of Shelley, Keats, Tennyson, Browning, Morris and Swinburne.
Winter quarter, 11-12. Room 41. Miss Pearce.

4. ENGLISH FICTION.

A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. The aim is to make this course helpful and suggestive not only to high school teachers but also to any teachers of narrative prose.
Spring quarter, 11-12. Room 41. Miss Pearce.

5. SHAKESPEARE.

A brief course of lectures on the technical construction of the drama, followed by an analytical study of several of Shakespeare's tragedies. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.
Winter quarter, 10-11. Room 40. Professor Barbour.

6. ENGLISH MASTERPIECES.

A study of Carlyle's Sartor Resartus and DeQuincey's Opium Eater as two great types of nineteenth century prose.
Spring quarter, 10-11. Room 40. Professor Barbour.

7. ANGLO SAXON.

Cooke's First Book of Old English, followed by a course of lectures upon the history of the English Language. The course is considered of especial value to teachers of English Grammar.
Fall quarter, 2-3. Room 44. Miss Blount

8. MIDDLE ENGLISH.

The study of Chaucer in Sweet's Second Middle English Primer, Morris' Prologue and Knightes Tale, and Nun's Priest's Tale; also library references on the course of English Literature from 1066 to 1500 with special emphasis upon the 14th century.

Winter quarter, 2-3. Room 44. Miss Blount.

9. TEACHERS' GRAMMAR.

(a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Fall quarter. Section 1, 10-11. Room 44. Miss Blount.
Section 2, 10-11. Room 41. Miss Pearce.
Section 3, 11-12. Room 44. Miss Blount.
Section 4, 11-12. Room 41. Miss Pearce.
Section 5, 2-3. Room 40. Professor Barbour.
Winter quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 9-10. Room 44. Miss Blount.
Section 3, 3-4. Room 42. Miss Pearce.
Spring quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 8-9. Room 44. Miss Blount.
Section 3, 9-10. Room 44. Miss Blount.

10. ADVANCED RHETORIC.

The work of this course constitutes a general review of rhetorical principles, and a practical application of these principles to English Composition. It includes a study of models in description, narration, exposition, and argument, together with constant practice in writing under these four types of prose structure. Some attention is also paid to note-taking and outlining themes. The course is especially designed for those who already have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or high schools; hence some emphasis is laid upon method.

Winter quarter, 2-3. Room 42. Miss Downing.

Spring quarter, 2-3. Room 42. Miss Downing.

DEGREE COURSES

High School Courses 1, 2, 3, and College Courses 1 and 9 will not be credited on the work of the third or fourth college year. Students not specializing in the English Department may

elect in these years any of the other courses offered, after consultation with the head of the department

Students who are specializing in this department may elect courses 3, 4, 5, 6, 7, and 8 for the third or fourth college year, and collateral work in foreign languages, history, reading and public speaking, after consultation with the head of the department

The course in Mythology offered by the department of Latin and Greek is especially recommended to all students specializing in English.

Courses 5 and 6 may be considered as distinctively fourth year courses for students who plan to take the degree of A.B. All students in the third or fourth year who desire to elect courses in English should consult freely with the head of the department. Special consideration will be given to each student, and courses to be elected will depend upon the department in which the student is specializing, or upon his previous studies in language and literature.

Geography

PROFESSOR MARK S. W. JEFFERSON.

PREPARATORY COURSE

1. ELEMENTARY GEOGRAPHY. 12 WEEKS.
   The course will take up the distribution of physical, climatic and political regions of the earth with Tarr and McMurry's Third Book as a text.
   Fall quarter, 9-10. Room 18. An Assistant.

HIGH SCHOOL COURSE

2. PHYSICAL GEOGRAPHY. 12 WEEKS.
   Credited from high schools. Required of all non-specializing students who have not had a course in the subject.
   Winter quarter, 11-12. Room 18. An Assistant.

COLLEGE COURSES

3. TEACHERS' GEOGRAPHY. 12 WEEKS.
   This course is designed to prepare students for teaching geography in the public schools as far as its subject matter is concerned. It deals with the nature and use of maps and the study and teaching of weather and climate.
   Each quarter, 9-10 and 10-11. Rooms 21 and 18. Professor Jefferson and an assistant.

4. GENERAL GEOGRAPHY. 12 WEEKS. Course 3 is pre-requisite.
   This course is designed to extend the preparation offered by 3 to the treatment of the size and shape of the earth, the continents, oceans and principal countries.
   This is the Elective recommended to students on the general course.
   Each quarter, 11-12. Room 21. Professor Jefferson.

5. PHYSIOGRAPHY OF THE LANDS. 12 WEEKS. Course 3 is prerequisite.
   This is an advanced course in physical geography dealing with the forms of the surface of the dry lands and the pro-

cesses by which they take and change these forms. Davis' Physical Geography is used as a text.
Fall and winter quarter, 9-10. Room 21. Professor Jefferson.

6. FIELD GEOGRAPHY, TEACHERS' COURSE. 12 WEEKS. Course 3 is pre-requisite.

A course in Physiography for students who are able to do a good deal of walking. Others should be content with 5. More than half the exercises are conducted in the open air. Spring quarter, 2-4. Students must reserve the whole afternoon, as occasional excursions will last till 6 p. m. Professor Jefferson.

7. GEOGRAPHY OF THE UNITED STATES. 12 WEEKS. Courses 3 and either 5 or 6 are pre-requisite.

Winter quarter, 2-3. Room 21. Professor Jefferson.

8. METEOROLOGY. 12 WEEKS. (For advanced students only.)
Davis' Meteorology used as a text with actual observations and studies of the weather and climate of Ypsilanti.
Fall quarter, 8-9. Room 21. Professor Jefferson.

9. GEOGRAPHY OF EUROPE.

Partsch's Central Europe as text. Spring quarter, 9-10. Room 21. Professor Jefferson.

DEGREE COURSES IN GEOGRAPHY.

Courses 1, 2 and 3 will not be credited on the work of the third or fourth college year.

Students satisfactory to the head of the department may elect 4, 5, 6, 7, and 8 for the third or fourth college year.

Distinctively fourth year courses are 7 and 8.

German and French

PROFESSOR RICHARD CLYDE FORD.
MISS IDA FLEISCHER, Ph.D. MISS MARY JOY LOMBARD.

GENERAL STATEMENT

The library of the department comprises about 1,000 volumes, besides a number of the leading pedagogical and literary journals of both languages, which are on file in the reading room of the College.

From time to time through the year informal lectures are given to students of the department on subjects relating to the politics, geography, history and literary life of France and Germany.

PRACTICE TEACHING

Special students of the department will have opportunity to do their teaching in the German classes of the High School section of the Training School.

SCHOLARSHIP

The Hon. Peter White, of Marquette, has made it possible for the department to award annually for four years $25 to some student of merit in the courses in French. The sum became available in 1905, and Miss Elizabeth Beal Steere, of Ann Arbor, in the beginning class was the first student to be thus benefited.

THE B.PD. AND THE A.B. DEGREES

Candidates for the above degrees, and specializing in this department, may elect courses: German—10, 11, 12, 13, 14, 15; French—7, 8, 9, 10, 11, 12, for the third or four college year.

Candidates, not specializing, may elect anywhere according to requirements of their preparation.

German

1. FALL QUARTER.

Pronunciation; grammar (Guerber's *Märchen*; Thomas); conversation; sentence building; easy reading.
Two sections.
(a) Miss Lombard, 3-4. Room 23.
(b) Dr. Ida Fleischer, 1-2. Room 22.

2. WINTER QUARTER.

Grammar; conversation; written work; reading.
(a) Miss Lombard, 3-4. Room 23.
(b) Dr. Ida Fleischer, 1-2. Room 22.
A beginner's class will be started in the winter quarter.

3. SPRING QUARTER.

Reading; composition; grammar.
(a) Miss Lombard, 3-4. Room 23.
(b) Dr. Ida Fleischer, 1-2. Room 22.

The work of this year is intended to give the student a good pronunciation and make him acquainted with the elements of the grammar and colloquial expression. The amount of matter read will approximate 250 pages and will be chosen from beginning readers and easy stories. Among the latter Storm's *Immensee*, or Campe's *Robinson der Jüngere* may be regarded as typical. There will also be outside reading in English on subjects relating to modern Germany.

The work of the first year is preparatory and treated as follows:

Beginning work through one year, if taken here, or in an institution of equal grade is credited.

Beginning work through one year, if taken in addition to the high school work required for entrance, will be credited *only when followed by an additional year here.*

HIGH SCHOOL COURSES

4. FALL QUARTER.

Review grammar (part 1, Thomas). Reading matter chosen from such texts as Auerbach's *Brigitta*, Zschokke's *Der zerbrochene Krug*. Fulda's *Der Talisman*, Riehl's *Das Spielmannskind*. Written work; conversation.

(b) Dr. Ida Fleischer, 1-2. Room 22.

5. WINTER QUARTER.
Reading of prose continued. Seidel's *Leberecht Hühnchen*, Riehl's *Burg Neideck*, etc. Dr. Ida Fleischer, 10-11. Room 22.

6. SPRING QUARTER.
Freytag's *Journalisten* or Lessing's *Minna von Barnhelm*; modern prose, etc. Dr. Ida Fleischer, 10-11. Room 22.

In this year the student is introduced to real literature as such, and a constant endeavor is made to cultivate a literary appreciation of the authors studied. At the same time work in grammar and composition is emphasized in order to fix thoroughly in the learner's mind the structural features of the language. Miscellaneous readings in English are continued.

7. FALL QUARTER.
Two sections.
(a) Goethe's *Hermann und Dorothea*; review of grammar; written work. Dr. Ida Fleischer, 9-10. Room 22.
(b) Freytag's *Soll und Haben*; Scheffel's *Trompeter von Säkkingen*, etc. Dr. Ida Fleischer, 2-3. Room 22.

8. WINTER QUARTER.
(a) Biography and travel; sight reading; Dr. Ida Fleischer, 9-10. Room 22.
(b) Schiller's *Jungfrau von Orleans*; poetry; conversation. Dr. Ida Fleischer, 2-3. Room 22.

9. SPRING QUARTER.
(a) History; modern prose; conversation. Dr. Ida Fleischer, 9-10. Room 22.
(b) History and scientific prose; conversation. Dr. Ida Fleischer, 2-3. Room 22.

The work of courses 7, 8, 9 is a continuation both in spirit and matter of the preceding year. Only enough grammar work is done to make the text intelligible, the emphasis of instruction being laid on extensive reading. Research work in English and German is now required.

COLLEGE COURSES

German Literature of the Nineteenth Century

10. FALL QUARTER.
Study of German poetry, ballads and lyrics. Professor Ford, 9-10, Room 50A.

11. WINTER QUARTER.
The rise of fiction; prose composition. Professor Ford, 9-10. Room 50A.

12. SPRING QUARTER.
German literature under the Empire; prose composition. Professor Ford, 9-10. Room 50A.

A suitable *Literaturgeschichte* will be used as an outline, illustrated by other texts, which will be studied in class. Each student will also be expected to make himself familiar with some special author whom he will read and report upon.

13. FALL QUARTER.
Lessing and his work. Professor Ford, 8-9. Room 50A.

14. WINTER QUARTER.
Goethe and his work; study of *Faust*. Professor Ford, 8-9. Room 50A.

15. SPRING QUARTER.
German literature of to-day. Study of the leading modern writers. Professor Ford, 8-9. Room 50A.

16. TEACHERS' COURSE. SPRING QUARTER.
History and methods of modern teaching. Discussion of the questions of technical grammar, etc. Professor Ford, 11-12. Room 50A.

French

HIGH SCHOOL COURSES

1 FALL QUARTER.

Pronunciation; grammar (Part I, Fraser and Squair); reading. Two sections:
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 23.

2. WINTER QUARTER.

Grammar continued; written exercises and conversation; reading.

(a) Miss Lombard, 8-9. Room 23.

(b) Miss Lombard, 10-11. Room 22.

3. SPRING QUARTER.

Irregular verbs; written exercises; reading.
(a) Miss Lombard, 8-9. Room 23.
(b) Miss Lombard, 10-11. Room 22.

In this year of French particular attention is paid to the matter of pronunciation and the elementary principles of the grammar and colloquial expression. From 300 to 400 pages of matter is read, chosen from such texts as Aldrich and Foster's *French Reader*, Bruno's *Le Tour de la France*, Halévy's *L'Abbé Constantin*, Dumas' *La Tulipe Noire*, George Sand's *La Petite Fadette*, Labiche et Martin, *Le Voyage de M. Perrichon*. There will also be reading in English on subjects relating to modern France.

COLLEGE COURSE

4. FALL QUARTER.

Review of grammar; reading, with written work and conversation. Professor Ford, 11-12. Room 50A.

5. WINTER QUARTER.

Grammar; composition; reading. Professor Ford, 11-12. Room 50A.

6. SPRING QUARTER.

Syntax; composition; reading. Professor Ford, 8-9. Room 50A.

The reading of this year is taken from such texts as Mérimée's *Colomba*, About's *Le Roi des Montagnes*, Sarcey's *Le Siège de Paris*, *Historiettes Modernes* and DeVigny's *La Canne de Jonc*, supplemented with sight reading from modern writers, and outside matter in English.

7. FALL QUARTER.

First 160 pages of Duval's *Histoire de la Littérature Française*; Molière's *Les Femmes Savantes*; Corneille's *Polyeucte*; Racine's *Esther*. Professor Ford, 10-11. Room 50A.

8. WINTER QUARTER.

Duval's *Histoire*, etc. Pages 160-263. Letters of Madame de Sévigné; Voltaire's prose. Professor Ford, 10-11. Room 50A.

9. SPRING QUARTER.

Duval's *Histoire de la Littérature Française* concluded.

Lamartine's *Scènes de la Révolution Française*; Hugo's *Hernani*; Musset's *Comédies*; DeVigny's *Cinq Mars*; Professor Ford, 10-11. Room 50A.

The year's work as outlined in the preceding courses is planned to give the student a systematic review of French literature since the 16th century. The main periods and authors are carefully outlined and studied, and the literary currents setting into the subsequent centuries are followed up.

10, 11, 12. FOR ADVANCED STUDENTS.

The seminar method will be pursued in these courses, and the work will embrace studies in the history and development of the French language and grammar; the French element in English, with special readings in literature.

History

PROFESSOR JULIA ANNE KING.

Miss Mary B. Putnam. Miss Florence Shultes.
Miss Bertha G. Buell

PREPARATORY COURSES

Classes are organized in United States history and civil government for students needing elementary work in these subjects. See schedule of classes.

HIGH SCHOOL COURSES

1. General History. 36 Consecutive Weeks
   An elective open to all students. The work is based upon a text-book. Begins the fall quarter. 10-11. Room 47. Miss Shultes.
2. History of England. 24 Weeks.
   Text-book; Andrews. Begins each quarter. 8-9 and 3-4. The second half of the course, winter and spring quarters, 8-9 and 3-4. Room 48. Miss Buell.
3. Political History of the United States. 12 Weeks.
   Course 3 presupposes Course 2, or an equivalent. Text-book: McLaughlin. Fall and Spring quarters, 9-10 Room 48. Miss Buell.

COLLEGE COURSES

(a) Courses 4, 9, 10 are arranged for students desiring but a single elective in history.

(b) Courses 5, 6, 7, 8 may be elected early in the course by specializing students.

4. Nineteenth Century. 12 Weeks.
   This course is included among those designed for students desiring a single elective in history. Text-book: West, with assigned topics for library. Winter quarter, 9-10. Room 48. Miss Buell.

5. HISTORY OF GREECE TO THE CONQUEST BY THE ROMANS. 12 WEEKS.

Text-book. West's Ancient History, with assigned reading. Fall quarter, 11-12, and 2-3. Room 47. Miss Shiles.

6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.

Supplementary to course 5. It is urged that Courses 5 and 6 follow each other in the order named. Winter quarter, 11-12, 2-3. Room 47. Miss Shiles.

7. MEDIÆVAL HISTORY OF EUROPE FROM 5-6 TO 1500. 12 WEEKS.

Text-book: Thatcher, with assigned reading. Spring quarter, 10-11, 11-12. Room 47. Miss Shiles.

8. MODERN EUROPE FROM 1500-1850. 12 WEEKS.

Text-book: Schwill, with assigned reading. Fall quarter, 8-9. Room 47. Miss Shiles.

9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.

This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Shiles.

10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.

This work is designed for the graduates from high schools and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject Fall quarter, 9-10. Room 45. Miss Putnam.

11. TEACHERS' HISTORY. 12 WEEKS.

Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and 10-11. Room 49. Professor King.

12. TEACHERS' CIVICS. 12 WEEKS.

Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.

13. POLITICAL ECONOMY. 12 WEEKS.

Text-book. Supplemented by discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

14. POLITICAL SCIENCE. 12 WEEKS.

Course 14 presupposes Course 12, in which the student must have shown aptitude for the study. Lectures, with assigned topics for investigations. Spring quarter, 9-10, Room 45. Miss Putnam.

15. STUDY OF SOCIETY. 12 WEEKS.

Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written reports. Spring quarter, 11-12. Room 49. Professor King.

16. INDUSTRIAL HISTORY. 12 WEEKS.

Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King.

17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 CONSECUTIVE WEEKS.

Given in 1906-7.

Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.

The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.

Not given in 1906-7.

Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

19. HISTORICAL MATERIAL. 12 WEEKS.

Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King.

20. SOCIOLOGY.

Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

21. PHILOSOPHY OF HISTORY.

Course 21 presupposes Course 11. Lectures with assigned

topics for reading and discussion. Hours to be arranged with the instructor.

22. CURRENT HISTORY. 12 WEEKS.

The work takes up for research and discussion some of the important social events of the day. Spring quarter, 2-3. Room 45. Miss Putnam.

DEGREE COURSES.

Courses 4 to 10, inclusive, will not be credited on the work of the third and fourth college years.

Students specializing in history may elect from Courses 11 to 21, inclusive, for third and fourth years' work.

Students not specializing in history may elect from the courses credited on degrees any work for which they are prepared.

Courses 17 to 21 inclusive are regarded as distinctively fourth year work.

Latin and Greek

PROFESSOR BENJAMIN L. D'OOGE.
MISS HELEN B. MUIR. MR. ORLAND O. NORRIS.

Latin

PREPARATORY COURSES

1. BEGINNERS' LATIN.
   Fall quarter, 2-3. Room 36. Miss Muir
2. BEGINNERS' LATIN.
   Winter quarter, 2-3. Room 36. Miss Muir.
3. BEGINNERS' LATIN AND VIRI ROMAE, OR SECOND YEAR LATIN.
   Spring quarter, 2-3. Room 36. Miss Muir.

Courses 1-3 are preparatory to all that follow, and are credited as follows:

(a) Students who have had no Latin may begin it here, and their work will be credited on the electives of their Normal Course.

(b) Students who have taken the first year of Latin in addition to the high school work required for entrance will receive no advance credits for the same unless it be followed by a second year here.

Students who wish to specialize in Latin and who remain but two years should aim to take four years of Latin before coming to this institution.

HIGH SCHOOL COURSES

4. VIRI ROMAE OR SECOND YEAR LATIN, AND LATIN COMPOSITION.
   Fall quarter, 11-12. Room 36. Miss Muir.
5. CAESAR AND LATIN COMPOSITION.
   Winter quarter, 11-12. Room 36. Miss Muir.
6. CAESAR AND LATIN COMPOSITION.

Spring quarter, 11-12. Room 36. Miss Muir.

7. CICERO AND LATIN COMPOSITION.
   Fall quarter, 9-10. Room 35. Mr. Norris.
8. CICERO AND LATIN COMPOSITION.
   Winter quarter, 9-10. Room 35. Mr. Norris.
9. OVID.
   Spring quarter, 9-10. Mr. Norris.
10. OVID.
    Fall quarter, 11-12. Room 34. Professor D'Ooge.
11. VERGIL.
    Winter quarter, 9-10. Room 34. Professor D'Ooge.
12. VERGIL.
    Spring quarter, 9-10. Room 34. Professor D'Ooge.

COLLEGE COURSES.

13. LIVY AND LATIN COMPOSITION (2 sections).
    Fall quarter, 8-9 and 10-11. Room 35. Mr. Norris.
14. LIVY AND LATIN COMPOSITION OR CICERO'S ESSAYS (2 sections).
    Winter quarter, 8-9 and 10-11. Room 35. Mr. Norris.
15. LATIN SELECTIONS.
    Spring quarter, 8-9 Room 35. Mr. Norris.
16. HORACE.
    Fall quarter, 8-9. Room 34. Professor D'Ooge.
17. HORACE.
    Winter quarter, 8-9. Room 34. Professor D'Ooge.
18. LATIN COMEDY.
    Spring quarter 8-9. Room 34. Professor D'Ooge.
19. LATIN WRITING 1 (3 times, 12 weeks' credit).
    Spring quarter, 10-11. Room 35. Mr. Norris.

    This course is open to such only as have had at least four years of the language. It is designed to meet the needs of those who look forward to teaching Latin, and combines drill in the translation of connected English into idiomatic Latin with a thorough review of syntax.

20. LATIN SIGHT READING (2 times, 6 weeks' credit).

Fall quarter, 10-11. Room 34. Professor D'Ooge.

This course is open to such only as have at least four years of Latin. It affords systematic drill in the building of a vocabulary, and in the principles underlying the structure of the Latin sentence, so that the peculiarities of order may become thoroughly familiar and progress in reading be easier and more rapid.

21. TEACHERS' COURSE IN CAESAR, CICERO AND VERGIL.

Winter quarter, 11-12. Room 34. Professor D'Ooge.

This course is required of all who expect to teach Latin and is open to such only as have had at least five years of the language. The lectures present: (1) a brief history of the Latin language and its relation to other languages; (2) the justification of Latin in the secondary school; (3) problems and methods of teaching secondary Latin; (4) pronunciation, quantity, prosody; (5) a general bibliography and a consideration of the best text-books; (6) ancient books and the general principles of textual criticism. Students who are specializing may take this course as one of the required teachers' courses.

22. HISTORICAL LATIN GRAMMAR (2 times, 6 weeks' credit).

Spring quarter, 10-11. Room 34. Professor D'Ooge.

Course 22 is open only to those who have had at least five years of Latin.

23. LATIN WRITING 2 (2 times, 6 weeks' credit).

Fall quarter, 10-11. Room 34. Professor D'Ooge.

Course 23 is an advanced course and presupposes a credit in Latin Writing 1. While the latter has most to do with matters of syntax, the former is devoted to a study of style and diction.

24. LATIN INSCRIPTIONS (2 times, 6 weeks' credit).

Spring quarter, 10-11. Room 34. Professor D'Ooge.

Course 24 is an advanced course, is conducted as a seminary, and is open only to ten students; it may be elected only by such as obtain special permission from the head of the department.

Students specializing in Latin should take at least a year of Greek if possible.

Greek

HIGH SCHOOL COURSES

1. BEGINNERS' GREEK.

   Fall quarter, 8-9. Room 36. Miss Muir

2. BEGINNERS' GREEK.

   Winter quarter, 8-9. Room 36. Miss Muir.

3. BEGINNERS' GREEK AND ANABASIS.

   Spring quarter, 8-9. Room 36. Miss Muir.

4. ANABASIS AND GREEK COMPOSITION.

   Fall quarter, 9-10. Room 34. Professor D'Ooge.

5. ANABASIS AND GREEK COMPOSITION.

   Winter quarter, 10-11. Room 35. Professor D'Ooge.

6. HOMER'S ILIAD.

   Spring quarter, 11-12. Room 35. Professor D'Ooge.

The above six courses (2 years) of Greek are often taken in the preparatory work of high schools, and are therefore called High School Courses. Students, however, who have had no Greek and wish to begin it here may elect it, and it will be credited on the electives of their Normal Course.

COLLEGE COURSES

7. HOMER'S ODYSSEY.

   Fall quarter, 1-2. Room 36. Miss Muir.

8. HOMER'S ODYSSEY, LYSIAS AND GREEK COMPOSITION.

   Winter quarter, 1-2. Room 36. Miss Muir.

9. LYSIAS AND GREEK COMPOSITION.

   Spring quarter, 1-2. Room 36. Miss Muir.

No student may take up Greek who has not had at least one year of Latin. It is so important an adjunct of Latin that all who are preparing to teach the latter are strongly urged to take at least one year of Greek. A fair reading knowledge can be obtained in that time.

COURSE IN GREEK ART

1. GREEK ART AND ARCHÆOLOGY FOR BEGINNERS (2 times).

   Spring quarter, 4-5. Room 34. Professor D'Ooge.

This course is open not only to classical students, but also to others. The work is popular in character and aims to give, in a simple manner, such information in ancient art and architecture as every intelligent teacher should have. The course will be given by lectures and illustrated by the stereopticon.

COURSE IN MYTHOLOGY

The course in Mythology, which was given for the first time last year, has proved so useful and so popular that it will be given twice each year hereafter during the fall and winter terms, respectively. In 1906-7 the class will meet from 11 to 12 in Room 35 and be in charge of Mr. Norris. It is open not only to students of this department, but has been arranged especially for students outside of this department, particularly for such as are specializing in English or in History. For all these a good knowledge of Mythology is very essential.

PRACTICE TEACHING

Students preparing themselves for teaching Latin and Greek are given unusual advantages for practice teaching in the eighth, ninth, and tenth grades of the Training School under the supervision of a trained specialist.

CANDIDATES FOR DEGREES

Students who are candidates for degrees and are specializing in this department may elect in Greek any of the courses offered and in Latin any course above Course 6 for the work of the third or fourth college year.

Students not specializing may elect any of the work offered either in Greek or in Latin for the third or fourth college year.

Students who have finished the courses offered above and wish to continue further will be directed in their work by the head of the department.

LIBRARY AND ILLUSTRATIVE MATERIAL

The department has a well-equipped classical library of more than a thousand volumes, representing standard authorities in English, French and German. Large accessions to this collection are being made year by year, and the facilities of this nature are ample for all our purposes of study and investigation. Strong

emphasis is laid upon collateral reading in connection with all classical authors. The department is also well supplied with maps, charts, and photographs, of which constant use is made, and additional illustrative material has recently been provided in the shape of a large collection of lantern slides.

Mathematics

PROFESSOR ELMER A. LYMAN.
ASSOCIATE PROFESSOR JOHN C. STONE.
MISS ADA A. NORTON. CLEMENS P. STEIMLE.
FRANK JENSEN. MISS BERNICE SARGENT

PREPARATORY COURSE

1. PREPARATORY ARITHMETIC. 12 WEEKS.
   A thorough drill in the fundamental parts of arithmetic. The aim of this course is to secure rapidity and accuracy in computing. Fall and winter quarters. Room 55. Mr. Steimle and Miss Sargent.

HIGH SCHOOL COURSES

The following courses are required of all regular four years' course students:

2. ALGEBRA 1. 12 WEEKS.
   Elementary algebra through factoring. Fall and spring quarters. Room 31. Mr. Steimle.
3. ALGEBRA 2. 12 WEEKS.
   A continuation of Algebra 1 through equations of the first degree with two unknown quantities. Fall and winter quarters. Room 31. Mr. Steimle.
4. ALGEBRA 3. 12 WEEKS.
   A continuation of Algebra 1 and 2 to quadratic equations. Winter and spring quarters. Room 55. Miss Norton and Mr. Steimle.
5. ALGEBRA 4. 12 WEEKS.
   Algebra completed through quadratic equations. Fall and spring quarters. Room 55. Miss Norton and Miss Sargent.
6. PLANE GEOMETRY 1. 12 WEEKS.
   An elementery course in plane geometry through rectilinear figures and the equality of polygons. Fall and sprin quarters. Room 31. Mr. Jensen.

7. PLANE GEOMETRY 2. 12 WEEKS.

A continuation of Course 5. Fall and winter quarters. Room 31. Mr. Jensen.

8. PLANE GEOMETRY 3. 12 WEEKS.

A continuation of Course 6. Room 55. Mr. Jensen.

9. SOLID GEOMETRY . 12 WEEKS.

Room 31. Mr. Steimle.

COLLEGE COURSES

Course 14 or 15 is required of all students taking the general course.

10. TEACHERS' ARITHMETIC. 12 WEEKS.

This course is carried on partly by lectures on the history and pedagogy of the subject, and partly by a review of the typical parts of the subject. This course must be preceded by all of the high school courses given above. Offered each quarter. Room 54, Professor Lyman. Room 30, Associate Professor Stone. Room 55, Miss Norton.

11. METHODS IN ALGEBRA. 12 WEEKS.

This course covers the work in secondary schools, and is designed for teachers or those who intend to become teachers. Special attention will be paid to the history and pedagogy of the subject. Fall quarter. Room 30. Associate Professor Stone.

12. METHODS IN GEOMETRY. 12 WEEKS.

A review of plane and solid geometry. Special attention will be paid to methods and presentation of the subject. Winter quarter. Room 64. Professor Lyman.

13. HISTORY OF MATHEMATICS. 12 WEEKS.

This course is designed to show the student how the subjects he is to teach have developed. Students have access to the large collection of books in the library. Spring quarter. Room 55. Miss Norton.

14. TRIGONOMETRY. 12 WEEKS.

An elementary course in plane and spherical trigonometry Presupposes all high school courses. Each quarter. Room 30, Associate Professor Stone. Room 55, Miss Norton.

15. HIGHER ALGEBRA 1. 12 WEEKS.

Besides giving a more comprehensive view of elementary algebra than could be given in Courses 2, 3, 4, 5, a thorough study is made of the idea of a function, the remainder theorem, symmetry, variation, the progressions, determinants and the graph. Presupposes all high school courses. Each quarter. Room 55. Miss Norton.

16. HIGHER ALGEBRA 2. 12 WEEKS.

Higher Algebra continued through the text, and additional work given on the theory of the equation. Winter and spring quarters. Room 30. Associate Professor Stone.

17. ANALYTICAL GEOMETRY. 12 WEEKS.

An elementary course in analytical geometry. Presupposes all the previous courses except 10, 11, 12 and 13. Fall quarter. Room 54. Professor Lyman.

18. DIFFERENTIAL CALCULUS. 12 WEEKS.

Presupposes Course 17. Winter quarter. Room 54. Professor Lyman.

19. INTEGRAL CALCULUS. 12 WEEKS.

Spring quarter. Room 54. Professor Lyman.

20. THEORY OF EQUATIONS. 12 WEEKS.

This course presupposes Courses 14, 15 and 16. Chapters I-X. Spring quarter. Room 30. Associate Professor Stone.

21. SOLID ANALYTICAL GEOMETRY. 12 WEEKS.

An elementary course in solid analytical geometry. Presupposes all of the above courses except 11, 12, 13, and 20. Room 53. Professor Lyman.

22. DIFFERENTIAL EQUATIONS. 12 WEEKS.

Room 53. Professor Lyman.

23. THEORETICAL MECHANICS. 12 WEEKS.

Room 53. Professor Lyman.

24. MATHEMATICAL READING. Time and credit to be arranged.

Room 53. Professor Lyman.

DEGREE WORK IN MATHEMATICS

The courses in Algebra 3 and 4, Plane and Solid Geometry

will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect Courses 21, 22, 23 and 24 for the third or fourth college year.

Students who are not specializing in this department may elect from Courses 11-19 inclusive for the third or fourth college year.

The course in Mathematical Reading (24), is a distinctively fourth year course.

Music

PROFESSOR FREDERIC H. PEASE.

MR. MINOR E. WHITE.

MISS CLYDE E. FOSTER. MISS RUTH PUTNAM.

HIGH SCHOOL COURSES

1. ELEMENTS OF MUSIC 1. 12 WEEKS.

Text-book; Pease and Lawrence's Choral Instruction Course. Summer and spring quarters, 9-10. Winter and fall quarters, 1-2. Mr. White. No credit given unless Elements 2 is also taken.

As the foundation of all future study is laid in this class it should be considered of more importance than any other.

The work consists of a careful development of the science of music from the very beginning, together with practical study of sight-reading, voice and ear training.

2. ELEMENTS OF MUSIC 2. 12 WEEKS.

Same text-book as in 1. Summer and spring quarters, 8-9. Winter quarter, 9-10. Miss Putnam. For Elements of Music 1 and 2 a credit of 24 weeks is given.

Both classes strongly recommended to college students.

COLLEGE COURSES.

4. METHODS IN MUSIC FOR 8 GRADES. 12 WEEKS.

Text-book; First Reader of Modern Music Series, and Rote Song Book by Ripley and Tapper. Also the Educational music course. Summer quarter, twice daily. Miss Foster. Fall quarter, 2-3. Miss Putnam. Winter quarter, 2-3. Miss Foster. Spring quarter, 8-9.

This is one of the regular Teachers' courses in the College, and should be taken by all Normal students. It does not presuppose a knowledge of music, except familiarity

with the rudiments of music as taught in the Elements of Music class courses.

Students in this class of twelve weeks are prepared especially for teaching singing in the eight grades. Observation of the work is made at the training school. Full credit is given.

5. KINDERGARTEN PRIMARY MUSIC. 12 WEEKS.

Text-book: Primer of Modern Music Series. Miss Foster. Fall and winter quarters, 8-9. Miss Foster. Full credit given.

The work in this class consists of a study of the care and guidance of the young child's voice, the development of a feeling of rhythm, the training of monotones, and the manner of presenting songs to children.

A sequence of games and songs for the year is memorized, and the playing of such music as is used in the marches and games is emphasized.

6. METHODS IN HIGH SCHOOL MUSIC. 12 WEEKS.

This class is devoted largely to theory and professional work for advanced or high school grades. It is a continuation of the class in Methods for the 8 grades and of Elements 1 and 2, which precede it. Text-books: Choral Instruction Course and Choral Song Book, both by Pease & Lawrence. Spring quarter, one section, 9-10. Room 2, Conservatory. Professor Pease. 12 weeks' credit.

7. HISTORY AND LITERATURE OF MUSIC 1, 2 AND 3. 36 WEEKS.

A course giving an outline of music and musicians, with a course of reading relating to musical literature. Text-books: Hunt's Musical History and Dickinson's Outline of History. Fall, winter and spring quarters, 10-11. Miss Putnam.

8. DEPARTMENT TEACHING. 12 WEEKS.

Required in Public School and Music and Drawing courses. Teaching done under Miss Foster's supervision.

9. VOICE CULTURE 1. 12 WEEKS.

Summer quarter, 10-11. Miss Putnam and Professor Pease.

Fall quarter, 10-11, 4-5. Winter quarter, 4-5. Spring quarter, 9-10, 11-12. Miss Putnam. Mr. White.

There as three classes in voice culture of one quarter

each. The voice, its development, culture, resonance, permeation, together with the art of singing, including rendition, pronunciation, articulation and expression are the subjects taught, the professional instruction being dwelt on at each point. For 24 weeks of class work 12 weeks' credit is given.

10. VOICE CULTURE 2. 12 WEEKS.

Fall quarter, 9-10. Winter quarter, 9-10. Spring quarter, 9-10. Miss Putnam, Mr. White.

11. VOICE CULTURE 3. 12 WEEKS.

Fall and winter quarters, three times a week, 9-10. Professor Pease.

All the Voice Culture Classes are adapted to the needs of College students.

12. ARTISTIC CLASS IN SINGING. 12 WEEKS.

To prepare for singing in public. It meets twice a week. Fall, winter and spring quarters, 10-11. For advanced pupils only. Professor Pease.

13. HARMONY 1. 12 WEEKS.

Text-book: Foote, Anger, Norris and York. Summer quarter, 10-11. Fall quarter, 11-12. Mr. White, Miss Putnam and Professor Pease.

The study in harmony follows that in methods in high school music, and continues through six terms. Harmony 1 is also given during the summer term. Harmony is taught both as a science and as an art, and is made the basis for further progress in counterpoint and composition. It is also the foundation for a better understanding of instrumental music, and a help in learning to read music at sight. Full credit.

14. HARMONY 2. 12 WEEKS.

Same texts as in 1. Winter quarter, 11-12. Miss Putnam, Mr. White. Full credit.

15. HARMONY 3. 12 WEEKS.

Spring quarter, 11-12. Miss Putnam and Professor Pease. Same text as in 1 and 2. 36 weeks' credit. An application of harmony study to the piano forte, and a further training in the mental conception of tones in melodies and in chords. Harmony 3 is followed by 4, 5 and 6, and consists of advanced study.

16. COUNTERPOINT 1. 12 WEEKS.
Text-book: Bridge, Pearce and Norris's Counterpoint Fall quarter, 11-12. Professor Pease.
Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.

17. COUNTERPOINT 2. 12 WEEKS.
Same text-book used as for Counterpoint 1. Winter quarter, 11-12. Professor Pease.

18. COUNTERPOINT 3. 12 WEEKS.
Same text-book used as for 1 and 2. Spring quarter, 11-12. Professor Pease. Full credit.

19. FORM AND COMPOSITION 1. 12 WEEKS.
Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.
Composition is continued during the fall, winter and spring quarters, and is the practical application of the previous studies in harmony and counterpoint.

20. MUSICAL FORM AND ANALYZATION FOR SUPERVISORS.
Spring quarter, 9-10. Professor Pease.

21. FORM AND COMPOSITION 2. 12 WEEKS.
Same text-book as in 1. Winter quarter, 9-10. Professor Pease.

22. FORM AND COMPOSITION 3. 12 WEEKS.
New text-book. Spring quarter, 9-10. Professor Pease. Full credit.

Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in music may elect courses in counterpoint, musical composition, piano, organ, violin and harmony for the third or fourth college year.

DEGREE COURSES

Harmony 1, 2 and 3.
Counterpoint 1, 2 and 3.
Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.
All music classes are open to College as well as Conservatory students.

16. COUNTERPOINT 1. 12 WEEKS.
Text-book: Bridge, Pearce and Norris's Counterpoint Fall quarter, 11-12. Professor Pease.
Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.

17. COUNTERPOINT 2. 12 WEEKS.
Same text-book used as for Counterpoint 1. Winter quarter, 11-12. Professor Pease.

18. COUNTERPOINT 3. 12 WEEKS.
Same text-book used as for 1 and 2. Spring quarter, 11-12. Professor Pease. Full credit.

19. FORM AND COMPOSITION 1. 12 WEEKS.
Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.
Composition is continued during the fall, winter and spring quarters, and is the practical application of the previous studies in harmony and counterpoint.

20. MUSICAL FORM AND ANALYZATION FOR SUPERVISORS.
Spring quarter, 9-10. Professor Pease.

21. FORM AND COMPOSITION 2. 12 WEEKS.
Same text-book as in 1. Winter quarter, 9-10. Professor Pease.

22. FORM AND COMPOSITION 3. 12 WEEKS.
New text-book. Spring quarter, 9-10. Professor Pease. Full credit.

Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in music may elect courses in counterpoint, musical composition, piano, organ, violin and harmony for the third or fourth college year.

DEGREE COURSES

Harmony 1, 2 and 3.
Counterpoint 1, 2 and 3.
Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.
All music classes are open to College as well as Conservatory students.

The Science Building

Natural Sciences

PROFESSOR WILLIAM H. SHERZER.
MISS JESSIE PHELPS.
MISS MARY A. GODDARD. MR. S. D. MAGERS.
Pupil Assistants—Miss S. Edith King, Miss Edna Jackson, and Mr. W. Glen Lewis.

The new science building greatly increases the facilities of the department and renders possible a grade of work which could not before be attempted. The Laboratory courses in physiology, zoölogy, botany and geology require two hours daily, but into these two periods is intended to be brought *all* the work of the class, including preparation of notes, library assignments, reviewing for quizzes, etc. In certain indicated subjects these two periods must be consecutive. In the other laboratory classes it is very desirable that the hour preceding, or immediately following the class hour, be left open and this should be done whenever the schedule will possibly permit. Students seeking electives in the department are urged to make their selection early in the year and then note the quarter, or quarters, in which these subjects are offered. Those upon the general course are notified that their elective may be selected from any one of four lines; geology, zoölogy, botany or physiology. The particular course that it is desirable to elect will depend upon the preparation and prospective work of the student. The following are ordinarily recommended: geology, courses 17, 18, 19 or 20; botany, 4, 5 or 6; zoölogy, 9, 10 or 11; for those who have completed the course in teachers' physiology, either 14 or 15.

HIGH SCHOOL COURSES

1. PREPARATORY PHYSIOLOGY.

   This couse is intended as a preparation for the teachers' course in physiology for those who enter with insufficient knowledge of laboratory methods. For graduates of high schools who have had no physiology above the grades the

course is counted as an elective and should be taken by such *special* as well as *general* students. The frog is used as a basis for the work, its various structures being dissected and its tissues examined with the microscope, in order that its physiology may be better understood. Constant reference is made to the human subject, Martin's Human Body (Briefer Course) being used as a text. Winter quarter, 10-11. Spring, 1-2. Room M. Miss Phelps.

2 STRUCTURAL BOTANY.

This course serves as an introduction to the biological sciences and should be taken by all high school graduates whose botanical work was incomplete or unsatisfactory. For such students the course counts as a regular college elective.

Plants are studied as living, working organisms and something of their importance to man is taught. Stress is placed on their life activities, and to give an understanding of how they perform their work, their gross and cellular structure are studied. Special emphasis is laid on such activities as plant respiration and starch formation, and attention is given to the part the sun's energy plays in plant life. It includes work with the compound microscope and observational and experimental work in the laboratory. Two consecutive hours. Lectures and quizzes. No text. Fall and winter quarters. Rooms F and H, 8-10 and 10-12. Miss Goddard.

3. SYSTEMATIC BOTANY.

This course aims to give the student a general view of the plant kingdom. Typical forms of each group of cryptogams (non-flowering plants) are studied and also of the phanerogams, or flowering plants. A study is made of the winter buds of our common trees and shrubs, noting especially their protective devices and considering their importance. This work is followed by an outdoor study of the more common forest and fruit trees. Attention is given to the morphology of the root, stem, leaf and flower, the subject of fertilization, distribution, etc. Laboratory and field work, lectures and quizzes. Two consecutive hours. Gray's Manual is used for identification. It would be well to precede this by Course 2. Spring quarter only. Rooms F and H, 10-12 and 2-4. Miss Goddard.

COLLEGE COURSES

4. CRYPTOGAMIC BOTANY.

This is a course in the so-called flowerless plants. A series of typical forms is studied, passing from the algae to the mosses, ferns and equisetum. Special attention is given to the subject of reproduction in the different forms and to alternation of generations. Stress is laid upon the evidence of plant evolution. Laboratory work and lectures, with some field work. No text. Fall quarter only. Rooms F and G, 2-3. Miss Goodard.

5. PLANT PHYSIOLOGY.

This is a course designed to give the student an opportunity to do individual experimental work in the laboratory, in order that he may become familiar with the handling of laboratory equipment and the setting up of experiments. It deals mainly with advanced physiology, taking up problems of growth, irritability, the nature of stored food, the action of organized and unorganized ferments and the fertility of the soil. A study of cell division is made. This course should be preceded by Courses 2 and 3, or their equivalent. Students who are planning to take chemistry of common life, or other work in chemistry, will find it helpful to do so, if possible, before taking this course. Winter quarter only. Rooms F and G, 2-3. Miss Goddard.

6. PLANT ECOLOGY.

The work in this course is designed especially for those who received credit in two elementary courses in botany on entering the Normal, but who desire an additional course to prepare them for teaching the subject. It is also a practical course for those who have taken Courses 2 and 3 in the Normal. A study of plant societies is made, grouping plants according to the amount of light and moisture they require. Attention is given to the structural adaptation to environment and to the habits of plants. Such ecological subjects as cross-pollination and seed distribution receive special attention, stress being laid on their relation to the perpetuation of species. This course will consist largely of outdoor study. A brief time toward its close will be devoted to a discussion of botanical texts and reference books and to the question of high school

courses. Spring quarter only. Rooms F and H, 7-9. Miss Goddard.

7. PLANT EMBRYOLOGY.
The development of calyx, corolla, stamens and pistils will be traced, stress being laid on the formation and growth of pollen grains and ovules. The process of fertilization and the development of the embryo will be carefully studied and explained. The work will be largely microscopical and will include some training in the making of permanent mounts showing sections of various parts of the flower. This course should be preceded by Cryptogamic Botany and Plant Physiology, or their equivalent. Spring quarter. Hours to be arranged. Room H. Miss Goddard.

8. BOTANICAL PROBLEMS.
This course is open to those who have had plant embryology. Individual problems in plant physiology, morphology, or ecology will be assigned each student, the nature of the problem depending upon the materials available, the season of the year, and the student's preference. The laboratory study will be supplemented by library and field work and from time to time each member of the class will report as to methods pursued and results obtained. Hours to be arranged. Fall quarter. Room F. Miss Goddard.

9 ANIMAL STUDIES (previously called Elementary Zoölogy).
This course seeks to supplement the lecture courses in Primary and Secondary Nature Study, by giving opportunity for direct observational work on the material used in the nature study of elementary schools. It is arranged especially for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required, and in fact it is advised that this precede or accompany the course in Primary Nature Study. Text: Jordan, Kellogg and Heath, Animal Studies. Fall and spring quarters, 3-4. Room M. Miss Phelps.

10. GENERAL ZOÖLOGY. 12 AND 24 WEEKS.
This course aims to give the beginning student in Zoölogy

a general survey of the entire animal kingdom, and an understanding of the principles of living material. Such topics as the following will be discussed and, as far as possible, illustrated in the laboratory and museum material:—(a) structure and properties of protoplasm: (b) radial and bilateral symmetry; (c) mimicry; (d) economic adaptations; (e) biogenetic law; (f) heredity; (g) evolution; etc. The usual amount of laboratory work upon the more important forms will be given. The full course will extend throughout two quarters, but the first quarter's work may be elected as General Zoölogy 1 without reference to the second quarter and will receive twelve weeks' credit. The second quarter's work, however, must be preceded by the first, or its equivalent. Text: Orton-Dodge, General Zoölogy.

General Zoölogy 1 requires two consecutive hours. Fall quarter, 1-3. Room M. General Zoölogy 2, winter quarter, 1-2. Room M. Miss Phelps.

11. VERTEBRATE STRUCTURES.

This is a course in the dissection of a small mammal, and a bird, and is designed for specializing students of physiology, physical culture or zoölogy. Especial emphasis will be put upon the structure of the nervous, respiratory, circulatory, and muscular systems, and their function and adaptations. The course is open to those who have had General Zoölogy 1 and 2, or an equivalent. Spring quarter, 2-3. Room M. Miss Phelps.

12. SPECIAL STUDIES IN ZOÖLOGY.

An opportunity is here offered to students showing aptitude for the natural sciences to do individual work in the field, and laboratory, and library with problems relating to industrial zoölogy; animal ecology; animal physiology; manipulation of laboratory and museum material; etc.; or, if students seeking degree courses the work will be made to consist of the microscopic study of tissues (histology) or of the development of organs (embryology). Fall and spring quarters. Hours to be arranged. Room M. Miss Phelps.

13. TEACHERS' PHYSIOLOGY.

While this course is intended primarily as a preparation

for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Offered each quarter. Room K. Mr. Magers. Fall; 10-11, 2-3 and 3-4. Winter and spring, 2-3 and 3-4.

14. ADVANCED PHYSIOLOGY.

A course for students who have completed the Teachers' Physiology and have had such training in physics and chemistry as will enable them to set up apparatus and perform experiments demonstrating the causes of physiological phenomena. It will include the usual laboratory experiments showing the action of nerve, muscle and blood tissues, the circulatory, respiratory and digestive organs. Especial laboratory study will be made of the organs of the special senses, not only with a view to determine their structure, functions and hygiene, but also methods of ascertaining the nature and extent of defects in these organs. The Training School will afford excellent opportunities for making such examinations and keeping the records showing the effects of these deficiencies on school work. An aid to child study.

The course will include six hours' laboratory work and two hours' class work per week. Winter term, 10-12. Room L. Mr. Magers.

15. BACTERIOLOGY.

While this course is designed especially for students taking the special course in Domestic Science, it is believed that it will prove to be of interest to others. Emphasis is placed on the study of the nature and cultural effects of those bacteria that affect the home; the nature, action and uses of the cultivated yeasts, and their relation to the "wild" yeasts, together with the modes of culture and destruction of the molds that are a source of annoyance in

the home. The course will be given by means of lectures, recitations and laboratory practice. Spring quarters, 10-12. Rooms K and L. Mr. Magers.

16. PRIMARY NATURE STUDY.

This course is designed for those who will teach in the elementary schools, or who will supervise such teaching. It is very largely a lecture course. The principles of natural selection and the doctrine of evolution are discussed as they relate to plants, animals and the child. The purposes of nature study, the principles of method and a detailed primary course are presented as far as time permits. Devices for the keeping of live material in the school room are exhibited in operation and described. Each quarter, with an abridged course during the summer session. Room A, 8-9 and 9-10. Professor Sherzer.

17. MINERALS AND ROCKS.

This is a practical course in the study of our common minerals and rocks. Blowpipe methods and simple chemical manipulation are taught. Especial attention is given to Michigan minerals, their occurrence, formation and economic importance. An elementary knowledge of chemistry will be found helpful. Fall quarter only, with an abridged course during the summer session. Rooms A and C, 10-11. Professor Sherzer.

18. DYNAMICAL GEOLOGY.

This course is intended to give some idea of the agencies which have determined the shape and character of the earth's surface, and which are still at work in modifying it. These are classified under the following heads: Atmospheric, aqueous, organic and igneous agencies. The work consists of recitations, reports upon special topics, lectures and field lessons. The lantern and collection of photographs are made much use of throughout the course. Brigham's Geology is used as a text. Winter quarter only. Room A, 10-11. Professor Sherzer.

19. HISTORICAL GEOLOGY.

A close study of the evolution of the earth and its inhabitants by means of lectures, reading, recitations and museum work upon fossil forms. Previous work in botany, zoölogy and dynamical geology is desirable. The geo-

logical column is taken up in order and brought down to the historic period. The character of the rocks is studied, thickness, home and foreign localities, their teachings, economic products and forms of life. Especial attention is given to the structure of our own state, a geological map and sections being prepared by each student. Spring quarter only. Rooms A and C, 10-11. This course alternates with Glacial Geology being offered in 1906 and 1908. Professor Sherzer.

20. GLACIAL GEOLOGY.

In this course there is attempted a detailed study of the formation, distribution, structure, characteristics and geological activity of existing glaciers and ice sheets. The direct and indirect effects of the great ice movements across the State of Michigan are carefully studied, and the moraines, ancient beaches and glacial lakes are mapped. An effort is made to have the pupil appreciate as fully as possible the extent to which this glacial history still affects the lives of Michigan people. Lectures, library and laboratory work with field observations. The course should be preceded by dynamical geology and a year's work in physics. Spring quarter. Room A, 10-11. This course is given upon alternate years, being offered in 1907. Professor Sherzer.

21. PALAEONTOLOGY.

This is a practical laboratory and museum course upon the more important types of animals and plants which have characterized the various ages of the world's history. The various methods of preparing such material for external and internal study will be learned, and some practice had in collecting fossils from such localities as can be reached by the student. Hours to be arranged. The course must be preceded by at least a year's work in geology, zoölogy and botany. Rooms B and C. Hours to be arranged. Fall quarter. Professor Sherzer.

22. DEPARTMENT TEACHING.

The opportunity is offered to a limited number who are looking forward to high school work, to assist in the management of some of the regular laboratory classes. Each such pupil gains experience in giving individual assistance in the laboratory, in the inspection of notes and drawings,

the collection and preparation of material, the setting up of experiments, and the presentation to the class of certain selected topics. Opportunity is afforded a few to teach regularly in the high school classes of the Training School.

23. BIRD AND TREE CLUB.
Students, especially those doing work in the department, who are interested in out-of-door study, are invited to join the Saturday excursions. Number limited to twenty. No credit. Spring and fall quarters, beginning fall of 1905. Miss Phelps and Miss Goddard.

DEGREE COURSES.

For work of the last two college years the courses in preparatory physiology, structural and systematic botany, animal forms, primary nature study and teachers' physiology are not accepted. Special students in the department may elect any of the other courses which have not already been used in securing their life certificates. General students may also elect from this list upon the advice of the head of the department. Courses 7, 12, and 21 are especially intended for advanced students who have had the requisite amount of preparatory work. Those desiring these courses should confer with the teacher in charge as early as possible.

SPECIAL STUDENTS

Students of special aptitude in the natural sciences and with some successful experience in teaching are invited to make application for enrollment as special students of the department, after one or more subjects have been completed. A limited number of such students will be accepted, only as many as there is reasonable hope of locating in our Michigan high schools.

Physical Education

The courses offered in this department constitute two groups:

(a) Practical Courses. Here classes for men and women are separate, special suits are required, and no credit is given.

(b) Professional Courses, consisting of lectures, recitations, etc., open to both men and women, and credited as in case of any academic subject.

MEN'S DEPARTMENT

PROFESSOR WILBUR P. BOWEN

Four terms of practical work are required of all students before graduation. Physical Training 1 must be taken by all. The three other courses required may be chosen from the nine terms of practical work offered, subject to the approval of the director.

Regular attendance is as essential as in other college work. Those doing gymnasium work wear a regulation suit. The suit, costing $3.00 to $5.00, involves the only expense demanded by the practical work.

Each student is examined on beginning practical work, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability.

Those excused observe the work of the classes and are held responsible for an acquaintance with the exercises for purposes of teaching.

1. PHYSICAL TRAINING, 1 FOR MEN. 12 WEEKS.

   Course 1 is required of all students. Elementary Swedish gymnastics, gymnastic games, and military marching. Lectures on personal hygiene. Winter quarter, 3-4. Professor Bowen.

The Gymnasium

2. PHYSICAL TRAINING 2 FOR MEN. 12 WEEKS.

   Course 2 presupposes Course 1. Dumb-bell and wand exercises. Track and field events. Lectures on personal hygiene. Spring quarter, 4-5. Professor Bowen.

3. PHYSICAL TRAINING 3, FOR MEN. 12 WEEKS.

   Indian club exercises. Winter and Spring quarters, 1-2. Professor Bowen.

4. PHYSICAL TRAINING 4 FOR MEN. 12 WEEKS.

   Work on apparatus, including pulleys, horizontal bar, parallel bars, climbing apparatus, ladders, horse, flying rings, traveling rings, and tumbling. Lectures on bodily development. The work is largely individual and not limited to any definite grade, so that the course may be repeated with profit. Fall and spring quarters, 11-12. Professor Bowen.

Athletics.

This work, conducted by Professor Bowen and his assistants, is intended to give prospective teachers systematic instruction in this branch of Physical Education, looking towards the supervision of such work in schools. Each course is accompanied by lectures on professional and practical phases of the subject.

1. Football. Fall quarter, 4-6.
2. Basket Ball. Winter quarter, 4-6.
3. Base Ball. Spring quarter, 4-6.
4. Track and Field Events. Winter and Spring.
5. Tennis. Fall and Spring.

WOMEN'S DEPARTMENT

MRS. FANNIE CHEEVER BURTON.

MISS INEZ CLARK. MISS IRENE CLARK.

MISS ELTA LOOMIS.

Four terms of practical work are required of all students before graduation. This includes the first three courses, together with Course 4, 5 or 6 at student's option. For the three years' certificate the first three courses are required.

All students doing practical work are required to wear the regulation suit and attend classes regularly. This suit, costing about $5.00, includes all the expense demanded by the practical work. (Students find it less expensive and more desirable to secure suits after reaching here.)

Each student is examined before beginning work, to ascertain her special deficiencies and needs, as regards development, and a medical examination is also given, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability. Those thus excused observe the work of the class, and are held responsibe for acquaintance with the work.

1. PHYSICAL TRAINING 1. 12 WEEKS.

   Course 1 is required of all students. Elementary Swedish gymnastics and gymnastic games, with lectures on posture, personal hygiene and Swedish gymnastics.

   Summer quarter, 10-11. Mrs. Burton.

   Fall quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

   Winter quarter, 4-5. Miss Clark.

2. PHYSICAL TRAINING 2. 12 WEEKS.

   Course 2 presupposes Course 1. Wand and dumb-bell exercises, marching, running and basket ball.

   Winter quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

   Spring quarter, 4-5. Miss Clark.

3. PHYSICAL TRAINING 3. 12 WEEKS.

   Course 3 presupposes Course 1 and preferably Course 2. Indian club exercises with individual assigned work on apparatus, fancy steps and basket ball.

   Spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

   Fall quarter, 4-5. Miss Clark.

   Winter quarter, 11-12. Miss Clark.

   When Courses 1 and 2 and 3 are finished, Courses 4, 5 and 6 may be taken in any order.

4. PHYSICAL TRAINING 4. 12 WEEKS.

   Advanced work in Swedish gymnastics, hand rings, fancy steps and basket ball, with lectures on progression in Swedish gymnastics, arrangement of lessons, manner of teaching, etc., and practice in teaching exercises to individuals and small squads.

   Summer quarter, 11-12. Mrs. Burton.

   Fall quarter, 11-12, 2-3. Mrs. Burton.

5. PHYSICAL TRAINING 5. 12 WEEKS.
Indian clubs, dumb-bells, bounding balls and professional training in the teaching of the same.
Winter quarter, 11-12, 2-3. Mrs. Burton.

6. PHYSICAL TRAINING 6. 12 WEEKS.
Grace hoops, wands, Indian clubs and military marching, and professional training in the teaching of the same.
Spring quarter, 11-12, 2-3. Mrs. Burton.

7. PHYSICAL TRAINING 7, 8 AND 9. 12 WEEKS.
Advanced military marching, æsthetic gymnastics, minuets and fancy club swinging.
The work is varied to meet the needs of the classes.
Fall, winter and spring quarters, 4-5. Mrs. Burton.
These advanced courses are open only to those who have had two years' work, or, having done especially strong work for a shorter time, are permitted to do so by the director.

Public School Gymnastics

Offered especially for teachers who desire to get a variety of work without special attention to personal benefit.

Wands, dumb-bells, marching, fancy steps, grace hoops, bounding balls, small rings. Summer quarter, 10-11, 11-12. Mrs. Burton and Miss Clark.

PROFESSIONAL COURSES

1. TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.
The place of Physical Training in Education, the leading systems, plays and games, corrective exercises, general effects of exercise, the selection of exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.

2. HISTORY AND LITERATURE OF PHYSICAL EDUCATION. 12 WEEKS.
Fall quarter, 10-11. Professor Bowen.

3. MECHANICS OF EXERCISE. 12 WEEKS.
Lectures, demonstrations, laboratory work, and recitations, on the anatomy and mechanics of muscular exercise. Treatment of injuries is included in this course. Teachers' course must precede.
Winter quarter, 10-12. Professor Bowen.

4 PHYSIOLOGY OF EXERCISE. 12 WEEKS.
Lectures, demonstrations, laboratory work, and recitations

upon the physiological effects of exercise, with especial reference to circulation and respiration. Teachers' course must precede. Spring quarter, 10-12. Professor Bowen.

5. TEACHING. 12 WEEKS.
Professor Bowen or Mrs. Burton.

DEGREE WORK IN PHYSICAL EDUCATION

Practical Courses in Physical Training will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect professional courses 1, 2 and 3 for the third or fourth college year.

PROFESSIONAL COURSES

1. TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.
The place of Physical Training in Education, the leading systems, plays and games, corrective exercises, general effects of exercise, the selection of exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.
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Physical Sciences

PROFESSOR E. A. STRONG.
ASSISTANT PROFESSOR B. W. PEET.
ASSISTANT PROFESSOR FRED R. GORTON.
MR. C. D. CARPENTER.

HIGH SCHOOL COURSES

All rooms are in the Science building.

1. PRINCIPLES OF PHYSICS.

   A review and lecture course on the important principles of physics for students who wish to advance somewhat beyond the high school stage of the subject or to make a strong review of physics. Follows a year's work in ordinary high school. Credit will be given for this course but it will not be accepted as the physical science subject required of general students. Every quarter daily. Rooms 1 and 6. Professor Strong and Assistant Professor Gorton.

2. PHYSICS 1.

   A demonstrative and laboratory course in the mechanics of solids and fluids. This is the fundamental subject in Physics and should be taken by all who have not had a year's work in Physics in a good high school following the completion of Algebra and Geometry and with full laboratory practice. Follows geometry. An elementary knowledge of trigonometry is desirable. Fall quarter. Professor Strong. First and second hours. Daily the first hour and Mondays and Wednesdays the second hour. Rooms 6 and 11.

3. PHYSICS 2.

   An elementary course in heat and light, with abundant demonstrative and laboratory work. Like the preceding course, it uses the graphical method freely, and employs the processes of algebra and geometry constantly. Fol-

...the physiological effects of exercise, with special reference to circulation and respiration. Teachers course must precede. Spring quarter. 3 hrs. Professor Bowen.

Teachers. 1 Week.

Professor Bowen or Mr. Burton.

DEGREE WORK IN PHYSICAL EDUCATION

Practice Courses 1 Physical Training will not be credited ... Students who are specializing in this department may elect professional courses ... for the last or fourth college year.

PROFESSIONAL COURSES

Theoretic Course 1 Physical Education. 1 Week.

The plan of Physical Training in Education, the leading systems, also an game, corrective exercises, general class ... exercise in selection of exercises for different ... Mass motion of reaction etc. Pal. wands and Indian ... Summer term only. Professor Bowen.

... 2 Literature of Physical Education. 2 Weeks.

... Professor Bowen.

... of Exercise. 1 Week.

... demonstrations, laboratory work and recitations ... the analysis of mechanics of muscular exercise. ... man of these is included in the course. Teachers ... must precede.

... Professor Bowen.

... 1 Weeks.

... demonstrations, laboratory work and recitations ... for the application effect of exercise with especial ... to circulation and respiration. Teacher's ... must precede. Spring quarter, 3hrs. Professor Bowen.

... 1 Weeks.

Professor Bowen or Mr. Burton.

DEGREE WORK IN PHYSICAL EDUCAT...

Practical Courses in Physical Training ...
on the work of the third or fourth colle...

Students who are specializing in ...
professional courses 1, 2 and 3 for ...
year.

Physical Sciences

PROFESSOR E. A. STRONG.
ASSISTANT PROFESSOR B. W. PEET.
ASSISTANT PROFESSOR FRED R. GORTON.
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   [illegible] heat and light, with abundant [illegible]tory work. Like the preceding [illegible]phical method freely, and employs [illegible]bra and geometry constantly. Fol-

lows Course 1 or 3. Winter quarter. Daily the third hour, and Mondays and Wednesdays the second hour. Professor Strong. Rooms 6 and 11.

4. PHYSICS 3.

Magnetism, electricity and sound. A full demonstrative course, with students' table work, mainly in electrical measurements. Follows Courses 1 or 2 above. Assistant Professor Gorton. Room 6. Spring quarter. Daily the third hour and Tuesdays and Thursdays the second hour.

5. CHEMISTRY OF COMMON LIFE.

A brief popular course in the elements of inorganic and organic chemistry for the benefit of teachers in the grades who are not able to take more extended work. It is also designed for those students who desire to understand chemical allusions in other subjects of study, and to know something of the chemistry of daily life. No previous knowledge of chemistry is necessary. Not accepted as the physical science subject required of general students. Those students desiring a somewhat complete course in chemistry should elect Chemistry 1, 2 and 3. Room 14. Assistant Professor Peet. Winter quarter. First hour daily and laboratory practice.

6. CHEMISTRY 1.

A study of the non-metals, hydrogen, oxygen, nitrogen, chlorine and their principal compounds; the gas laws and laws of chemical action; atomic theory, and the chemical equation. Lectures, with laboratory and text-book work. The laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Fall quarter. Second hour and laboratory practice. Assistant Professor Peet and Mr. Carpenter.

7. CHEMISTRY 2.

A study of the element carbon, some of the simpler compounds of carbon, molecular formulas, valence, periodic law, chlorine group, sulphur, nitrogen group, carbon group, dissociation theory, with a few lessons in organic chemistry. It is a continuation of Chemistry 1, and completes the study of the non-metals. The additional laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Winter quarter. Second hour. Assistant Professor Peet and Mr. Carpenter.

COLLEGE COURSES

8. GENERAL ASTRONOMY.

This has reference to teachers who desire to prepare to teach nature-study in the grades. Three days a week, with abundant laboratory and observatory practice. The course is mainly a practical one, but incidentally a small text-book is mastered, and the history and literature of the subject entered upon. Fall and spring quarters. Professor Strong. Seventh hour. Rooms 1 and 25.

9. CHEMISTRY 3.

A study of the metals, largely a laboratory course, requiring two hours' work daily and instruction twice a week. After the student has determined in the laboratory the characteristic properties of a few of the metals, he devises a scheme for their separation, and uses this scheme in the analysis of "unknowns." This plan is continued until all the common metals are studied, their characteristic properties determined, and a complete table of analysis compiled. In connection with this work, instruction is given in the metallurgy of the common ores. Graduates of approved schools may elect this course. Rooms 14 and 18. Spring quarter, second hour. Assistant Professor Peet and Mr. Carpenter.

10. CHEMISTRY 4. QUALITATIVE ANALYSIS.

This a study of the analysis of the common metals. It begins with work on blowpipe analysis, a review of the table of the separation of the metals and a study of the characteristic properties of the acids. This is followed by the analysis of "unknowns." The modern theory of ionic dissociation is taught and used in connection with the reactions involved in the student's laboratory work. It is a laboratory course calling for two hours' work daily. Rooms 14 and 16. Fall quarter. Third hour and laboratory work. Assistant Professor Peet and Mr. Carpenter.

11. CHEMISTRY 5. QUANTITATIVE ANALYSIS.

This is a laboratory course requiring two hours' work daily. The class also meets twice a week for quiz and instruction. The work is both gravimetric and volumetric. the gravimetric portion including the determination, in simple compounds, of the common metals and acid anhydrides, and the volumetric work including the preparation

of standard solutions, the determination by alkalimetry of a few of the common acids and alkalies and the determination of the elements, iron, calcium and iodine by methods of oxidation and reduction. Students get practical work in making up solutions for the laboratory.

Winter quarter. Third hour and laboratory work. Assistant Professor Peet. Rooms 13, 14 and 16.

12. CHEMISTRY 6. QUANTITATIVE ANALYSIS.
This is a continuation of Chemistry 5. Some time is devoted to water and gas analysis. Spring term. Rooms as above. Third hour and laboratory work. Assistant Professor Peet.

13. CHEMISTRY 7. ORGANIC CHEMISTRY.
Follows Chemistry 1, 2 and 3. May be taken by students who have had a year of inorganic chemistry in a high school with full laboratory work. Embraces the study of the carbon compounds and of the more important and interesting products of plants and animals. Spring quarter, Room as above. Assistant Professor Peet. First hour.

14. CHEMISTRY 8. ELEMENTARY THEORETICAL AND PHYSICAL CHEMISTRY.
This course must be preceded by Chemistry 1, 2, 3 and 4. The fundamental laws and theories of chemistry are discussed and laboratory determinations made of molecular weights by standard methods. Fall quarter. First hour and laboratory work. Assistant Professor Peet. Rooms as above.

15. PHYSICS 4, OR ADVANCED PHYSICS 1.
Electricity and magnetism. An advanced course in which the history of electrical theory and electrical discovery are strongly emphasized. Follows Physics 1, 2 and 3, or an approved course in a high school. Also follows or is concurrent with trigonometry. Fall quarter. Second hour. Four times a week. Assistant Professor Gorton. Rooms 1 and 3.

16. PHYSICS 5, OR ADVANCED PHYSICS 2.
A demonstrative and mathematical course in advanced mechanics. Follows Physics 1, 2 and 3, or an equivalent high school course, and a good course in trigonometry. Calculus also useful. Winter quarter. Professor Strong. Fourth hour. Rooms 1 and 3.

17. PHYSICS 6, OR ADVANCED PHYSICS 3.
Sequence as in the preceding case. An advanced demonstrative course in acoustics and optics. Spring quarter. Professor Strong. Fourth hour. Rooms 1 and 2.

18. ADVANCED ASTRONOMY, OR ASTRONOMY 2.
A course in mathematical and instrumental astromomy, mainly practical, in which an attempt is made to gain a somewhat expert use of the sextant, equatorial and astronomical transit. Requires Astromomy 1, or an equivalent high school course, and plane and spherical trigonometry. Winter or spring quarter. Twice a week with additional laboratory and observatory practice. Professor Strong. Rooms 24 and 26.

19. METHOD IN PHYSICS.
A course designed to prepare students for teaching the physical sciences in the grades and in the smaller high schools. Has special reference to the fundamental science, physics, which will be reviewed and cast into form for best presentation. Much attention will be given to simplified and improved forms of apparatus and to laboratory work in general. Follows Psychology and Physics 1, 2, and 3. Every quarter. Professor Strong. Room 1. Second hour.

20. PHYSICAL LABORATORY PRACTICE.
A practical teachers' course in the laboratory method and laboratory appliances. It is also used as a review course in physics for those who need such a review and a laboratory course for those who have had a good text-book course but inadequate laboratory facilities. Follows Physics 1, 2, and 3. Daily. Every quarter. Assistant Professor Gorton. Room 11.

21. ADVANCED LABORATORY PRACTICE.
Should be taken instead of the preceding by those who have had or are taking Advanced Physics. Mainly a practical course, with lectures upon the laboratory method. Spring or winter quarter, alternating with Advanced Astronomy. Daily. Professor Strong. Room 3.

22. PHYSICAL TECHNICS OR LABORATORY ECONOMY.
A course in the installation of laboratories and laboratory equipment. Lectures and practical work in making, selecting, testing and repairing apparatus. Includes also brief courses in manifolding, glass working, blue printing, lan-

terning and the manufacture of apparatus. Follows, or may be taken along with, chemistry and advanced physics. Fall quarter. Daily. Professor Strong. Rooms 11 and 12.

23. ACOUSTICS.
A special course in the physical basis of sound, with special reference to those who are carrying forward studies in music, using Zahm's Sound and Music or some equivalent author. Preferably to follow Physics 1, 2 and 3, but may be taken by any persons of maturity. Winter quarter. Assistant Professor Gorton.

24. ADVANCED THEORETICAL OPTICS.
Drude's Theory of Optics, or an equivalent. Requires Courses 6, 7 and 8 above; also a knowledge of calculus. Winter quarter. Professor Strong.

25. ADVANCED PRACTICAL OPTICS.
This course may be taken instead of the preceding by those who are prepared for it. Mann's Advanced Optics will be used with Drude as a reference book. Professor Strong. Winter quarter.

26. ADVANCED ELECTRICAL MEASUREMENTS.
This course may be elected instead of Courses 23 and 24, if the student has completed Advanced Physics 1.

Students wishing to specialize in this department will arrange their work during the junior year with the head of the department. In case physics and chemistry have been completed in an approved high school course, the following subjects will be required: Method in Physics; Advanced Physics 2 and either 1 or 3; Chemistry 3 and 4; and seven subjects to be assigned by the head of the department. In case physics and chemistry have not been completed the patron will arrange the work of the candidate so as to include as much as possible of the above named work.

DEGREE COURSES

If the degree student is not a specialist in this department any courses from 8 to 24, inclusive, may be taken except Courses 18, 19 and 21. In some cases Courses 6 and 7 might be permitted, but not Course 5.

If the student is a specialist in this department he may elect the required mathematics and any of the following: 12, 13, 17, 22, 23, 24.

For the A.B. specialist his elections must be confined to 12, 13, 17, 23 and 24.

Psychology and Education

PSYCHOLOGY

PROFESSOR DANIEL PUTNAM, EMERITUS PROFESSOR.
PROFESSOR SAMUEL B. LAIRD.
Assisted by
PROFESSOR CHARLES O. HOYT and PROFESSOR N. A. HARVEY.

COLLEGE COURSES

1. PSYCHOLOGY 1. 12 WEEKS. (REQUIRED).
   Elementary work. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-Book of Psychology. Fall, spring and summer quarters, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 26, 27. Dr. Putnam, Professor Laird, Professor Hoyt, Professor Harvey.
2. PSYCHOLOGY 2. 12 WEEKS. (REQUIRED).
   Complete text, besides taking the following subjects in child study: Hygiene of special senses, nervousness, fatigue, sensory and motor training and adolescence. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-book of Psychology, Rowe's Physical Nature of Child. Fall and winter quarters, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 26. Professor Laird, Professor Hoyt, Professor Harvey.

DEGREE COURSES

4. ADVANCED PSYCHOLOGY. 12 WEEKS. (REQUIRED).
   The purpose of this course is to do intensive work in some subjects not fully treated in Courses 1 and 2. Prescribed reading and reports thereon will supplement the work of some good text.
   Fall quarter, 8-9. Room 25. Professor Laird.
5. LOGIC. 12 WEEKS. (REQUIRED).
   The principles of this subject as discussed in Creighton's

Introductory Logic will be the basis of our work. The principles of the science will be applied in a practical manner to examples taken from Argumentative discourse. Winter quarter, 8-9. Room 25. Professor Laird.

Candidates for the degree of B.Pd. must take Courses 4 and 5. Courses 1 and 2 will not be credited on work of third or fourth year.

PEDAGOGY (General Method)

PROFESSOR NATHAN A. HARVEY.

Assisted by

PROFESSOR SAMUEL B. LAIRD,
and PROFESSOR DIMON H. ROBERTS.

PEDAGOGY. 12 WEEKS. (REQUIRED).

Must be preceded by Psychology 1 and 2. Lectures, recitations, readings and reports upon the same. McMurray's General Method, Keith's Elementary Education, Bagley's Educative Process, Tompkins' Philosophy of Teaching Students are expected to buy one of the above books. Constant reference is made to the Reports of the Commissioner of Education, Proceedings of the National Educational Association and volumes of educational periodicals.

Especial attention is given to the following subjects: The aims and meaning of education; educational values and the common school course; apperception and its application to school room instruction; interest and its educational value; the culture epoch theory and its relation to interest and concentration, and criticisms; promotion and grading. Fall quarter, 11-12, Professor Roberts; winter quarter, 11-12, Professor Roberts; spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4, Professor Harvey, Professor Laird, Professor Roberts.

SCIENCE AND HISTORY OF EDUCATION.

PROFESSOR C. O. HOYT.

COLLEGE COURSES

1. HISTORY OF EDUCATION 1. 12 WEEKS.

A study of pre-Christian education. Special emphasis will be given to Grecian and Roman education. Text: Cubberley's Syllabus, Part I. Fall quarter, 8-9. Room 26. Professor Hoyt.

2. HISTORY OF EDUCATION 2. 12 WEEKS.
The history of modern education from Comenius to the present. Text: Cubberley's Syllabus, Part II. Fall, winter and spring quarters, 8-9, 9-10, 10-11. Room 26. Professor Hoyt.
One course in History of Education is required for the Life Certificate. Either of the above courses may be selected. It must be preceded, however, by psychology and general method.

3. HISTORY OF EDUCATION 3. 12 WEEKS.
A study of the development and organization of the School System of the United States and of the history and problems of supervision. (1) The qualifications of the superintendent; (2) his relations and functions. Text: Chancellor, Our Schools, Administration and Supervision. Spring quarter, 10-11. Room 26. Professor Hoyt.

4. HISTORY OF EDUCATION 4. 12 WEEKS.
A critical study of educational classics. Work will be selected from The Great Didactic, The Emile, Leonard and Gertrude, Education of Man, Spencer on Education, Herbart's Lectures and others. Spring quarter, 11-12. Room 26. Professor Hoyt.

Courses 3 and 4 may be applied for the Life Certificate, but must be preceded by Course 1 or 2.

5. PHILOSOPHY OF EDUCATION. 12 WEEKS.
A consideration of some of the fundamental problems of education in their relation to civilization. Text: Horne's Philosophy of Education Spring quarter, 8-9. Room 26. Professor Hoyt.

6. INTRODUCTION TO PHILOSOPHY. 12 WEEKS.
A historical study of fundamental philosophical problems. Text: Paulsen's Introduction to Philosophy. Fall quarter. 3-4. Room 26. Professor Hoyt.

7. HISTORY OF PHILOSOPHY. 24 WEEKS.
An elective course for the fourth college year. Text: Falckenberg's History of Modern Philosophy. Winter and spring quarters, 3-4. Room 26. Professor Hoyt.

DEGREE COURSES

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Candidates for the degree of B.Pd. may elect Courses 3, 4, or 5.

Elections for the A.B. degree must be confined to Courses 6 and 7.

One course in this department is required for each of the degrees.

Reading and Oratory

PROFESSOR J. STUART LATHERS.
MISS MARY M. MASTER.

The work of the literary societies and debating clubs is done under the direction of the head of this department.

Students specializing in this department are required to take part of their work in the English department.

PREPARATORY COURSE

1. READING AND ORTHOEPY.
   A study of the correct use of diacritical marks and the intelligent use of the dictionary, with practice in oral reading.
   Fall quarter, 11-12. Room 51. Miss Master.

COLLEGE COURSES.

2. TEACHERS' READING.
   The aim of this course is preparation for the teaching of reading. It consists of a study of the elements of vocal expression, and the steps essential to a systematic course of reading in the grades.
   Fall, winter and spring quarters; three sections, 8-9, 9-10, 10-11; also fall quarter, 2-3. Room 51. Professor Lathers and Miss Master.
3. ELOCUTION 1.
   Vocal exercises; study of sources of power in speaking and the vocal elements, quality, force, time, and pitch; preparation and delivering of class selections.
   Fall, winter and spring quarters, 1-2. Room 51. Miss Master.
4. ELOCUTION 2.
   Study of vocal technique and expression through action. This course aims to make a careful literary analysis of

selections from the best literature, and, through stimulating the thinking process, to make the thought and feeling dominate voice and action.

Winter and spring quarters, 2-3. Room 51. Miss Master.

5. ORATORY.

Study of masterpiece orations, theory of the oration and sources of the orator's power, writing and delivering of one oration, and recitation of standard selections.

Spring quarter, 11-12. Room 51. Professor Lathers.

6. SHAKESPEAREAN READING.

Study of the principles of Dramatic structure, and an examination of the plots and characters of the drama as they bear upon the vocal expression of the selections. Studies will be made of passages from Hamlet, Macbeth, Julius Caesar, Merchant of Venice, and Midsummer Night's Dream.

Fall, winter and spring quarters, 3-4. Room 51. Professor Lathers or Miss Master.

DEGREE WORK IN READING AND ORATORY.

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Students specializing in this department should complete all of the above courses before the third college year.

Students not specializing in this department may elect Courses 3, 4, 5 and 6 in the third college year.

Training School

Faculty of the Training School

DIMON H. ROBERTS, A.M., SUPERINTENDENT.

HESTER P. STOWE,
Supervisor of Kindergartens.

LYDIA L. HERRICK,
Assistant Kindergartner.

HELENE KNEIP,
Assistant Kindergartner.

MARGERET E. WISE,
Critic Teacher, First Grade.

ADELLA JACKSON,
Critic Teacher, Second Grade.

ABIGAIL LYNCH,
Critic Teacher, Third Grade.

ELISABETH B. MCLELLAN,
Critic Teacher, Fourth Grade.

ELLA M. WILSON,
Critic Teacher, Fifth Grade.

ABIGAIL ROE,
Critic Teacher, Sixth Grade.

EMELYN GARDNER, A.B.
Critic Teacher, Seventh Grade.

EDNA T. COOK, B.S.,
Critic Teacher, Eighth Grade.

MARY M. STEAGALL, Ed.B.,
Principal and Critic in High School Department.

CLYDE E. FOSTER,
Supervisor of Music.

BERTHA GOODISON,
Supervisor of Drawing.

ALICE I. BOARDMAN,
Supervisor of Manual Training.

GRACE FULLER,
Supervisor of Domestic Science and Art.

ELTA LOOMIS,
Assistant in Physical Training.

SADIE GODARD,
Assistant in Domestic Science and Art.

INEZ CLARK,
Supervisor of Physical Training.

EDNA BARLOW,
Assistant in Manual Training.

PURPOSE AND PLAN

The leading purpose of this school is to afford an opportunity to the student for both observation and practical work in the school room. It is here that theory and practice meet, and consequently the work in this department should test in a very

large measure the ability of the teacher to do successful work in the public schools of the state. As far as possible the aim is to make the school fulfill a double function in being both a model and a training school. An attempt is made to keep abreast of the times in all that pertains to the interests of the children who constitute the school. Special attention is given to planning and execution, the keeping of school records, and the general management of a grade room. All work is done under the immediate supervision of expert training teachers and under the general direction of the superintendent, who is the executive of the department.

The course of study is continuous through kindergarten, primary, intermediate and grammar grades, and the first two years of high school work, making it possible for Training School pupils to enter the regular four years' life certificate course (see page 46).

While the school was established primarily for the purpose of training teachers, yet the principle is maintained that the interests of the pupil are the most important consideration; and it is believed that whatever advances the well-being of the child best serves the purpose for which the school was created.

The pupils enrolled come from the city and surrounding country. Tuition is free to all, and the school is gradually working toward the free text-book system. At present nearly all supplies are furnished in the lower grades; and, in the higher grades, pupils are required to furnish only such books as represent the more formal work.

All applications for admission of new pupils should be made at the office of the superintendent. Those entering from other schools will facilitate matters by bringing with them letters of transfer, records, or promotion cards.

Children are admitted to the kindergarten between the ages of four and six years but may not be admitted to the first grade before the age of six. Promotion will take place regularly three times a year at the opening of each school term, thus making it possible to begin the work of a grade in September, January and April. By this plan the system of promotion is made more flexible, inasmuch as each grade contains three sections separated from one another in time by one-third of the school year.

STUDENT TEACHING

All work in observation and student teaching must be done

during the second year of the life certificate course, except in the case of those who are to take a limited certificate. Under the latter condition the Training School practice and observation may be made a part of the last full quarter's work.

Under the present arrangement of the college year the teaching quarters will be the fall, the winter, and the spring. *Carefully note the following:*

1. All students must have completed the courses in psychology, 1, 2, and general method before entering upon the work of this department.

2. At least three of the fundamental teachers' courses in the common branches must be successfully passed, *and all conditions and failures in academic or professional subjects vital to success must be removed before students are admitted for observation or teaching in the training school.*

3. Students are not permitted to take more than two subjects in college in addition to the regular training school work.

4. The number of students teachers doing work in the department during any one quarter will be limited approximately to one-third the membership of the senior class.

5. The amount of teaching and observation required will be two hours per day, during one quarter. Each of the hours in the training school counts the same as an academic subject and is entitled to as much time for outside preparation.

6. All assignments for work in the training department and changes in the same are made by the superintendent.

7. By special arrangement with the superintendent and the head of any college department students may elect one-half of their teaching in the preparatory department.

8. All students classifying for work in the training school must reserve the hour from 3 to 4 for criticism.

9. The work in the training school consists of teaching, observation, making subject and lesson plans, assisting the critic teachers in various ways, making written reports, attending critic and general meetings, and becoming familiar with the course of study and workings of the school.

HOURS FOR TEACHING

The hours in the training school are from 8:30 to 11 for the kindergarten, first and second grades; from 8:30 to 11:30 for the other grades; and from 8:00 to 11:00 for the High school. In the

during the Two Years' College Life Certificate Course. The course includes bench work; mechanical drawing; designing in Indian basketry and Venetian bent iron; raffia work; weaving; cardboard construction, based on mechanical drawing; clay modeling for primary grades, and lectures on subjects allied to manual training.

Students are required to make original models to be left with the department; to make estimates of lumber and other materials for class work, and also to make various estimates for the equipment of a class room under the existing conditions of schools as they will be found in different towns and cities of the state.

An outline of the specializing course in this department is given below in order that prospective students may gain an idea of the work required.

In addition to the specializing course, another one will be offered each quarter, in which no credit will be given, for the purpose of giving non-specializing students an opportunity to familiarize themselves with the hand work for the primary grades.

COURSE OF STUDY IN MANUAL TRAINING FOR SPECIALIZING STUDENTS

1.	Group of Required Subjects (see p. 47).....	144 Weeks
2.	Elementary Drawing 1, 2.....	24 "
3.	Mechanical Drawing.	12 "
4.	Advanced Drawing 1.....	12 "
5.	Blackboard Sketching	12 "
6.	Bench Work.....	36 "
7.	Basketry, bent iron work, raffia.....	12 "
8.	Card-board construction, weaving, clay modeling	12 "
9.	Electives	24 "

Domestic Science and Art Course

MISS GRACE FULLER.

Recognizing the fact that domestic science and art are becoming important factors in the educational system of our state, the Normal College offers a specializing course for the training of teachers in these lines of work. The requirements for admission are the same as those for other college courses leading to the life certificate. For students who have pursued elementary chemistry and physics in accepted high schools other elec-

interest and work of the school demand her personal efforts. For two weeks at the opening of each quarter, the instruction is exclusively in her hands. She does the teaching each day during the periods from 8:30 to 9 and 11 to 11:30, and is expected to take charge of one or more classes each day for the benefit of teachers as most need her assistance.

She has immediate charge of all the work of the student teacher in directing the making of the subject and lesson plans, the work of observation, the writing of reports based on observations in the schoolroom, and the execution of plans. She meets her student teachers each day at three o'clock for the purpose of reviewing the work of the day, examining the lesson plans, instructing in method, and hearing and discussing reports of observation in child study.

SCHOOL EXERCISES

Chapel exercises are held regularly on Friday morning of each week in the training school assembly hal.. These exercises consist of a simple devotional program, supplemented each time with music and dramatizations by the children from one or more of the grades.

Special programs appropriate to the occasion are given at Thanksgiving, Christmas, Washington's Birthday, Memorial Day, and at the close of the school year.

All of these exercises are public, and patrons and friends of the school are cordially invited to attend. Student teachers are especially welcome and are invited to join the children in the devotional part of the progrram.

THE COURSES OF STUDY

Detailed outlines of work in reading, elementary science, history, geography, arithmetic, language, music, drawing, physical training, manual training and domestic science are followed in all grades of the department.

SPECIAL TRAINING SCHOOL COURSES

Special Course for Critic Teachers

On account of the demand throughout the country for specially trained critic teachers the College will offer to a limited number of applicants an opportunity for pursuing such a course of study.

All candidates for this course must have completed the work for the life certificate, and must have furnished satisfactory evidence of their general teaching ability.

The Superintendent of the Training School acts as patron for students pursuing this line of work. All applications for admission to this course shall be submitted to the College Council and selections will be based upon:

1. Scholarship.
2. Personality.
3. Success in teaching children.
4. Ability to work with adults.

THE COURSE ITSELF CONSISTS OF:

1. Seventy-two weeks of electives from third or fourth year college subjects.

2. An equivalent of seventy-two weeks of work in the Training School as assistants to the regular critic teachers in making courses of study, doing model teaching, doing special and general critic work, and in a study of the principles and methods of constructive criticism.

The degree of B.Pd. will be granted upon the satisfactory completion of this course of study.

Special Kindergarten-Primary Course

The specializing Kindergarten-Primary Course consists of:

1. Group of Required Subjects. (See p. 47)...144 Weeks
2. Electives under direction of the patron....144 "

NOTE.—The Superintendent of the Training School is the patron of this department. The electives determined by the patron include:

Kindergarten Instruction 1, 2, 3.

Kindergarten-Primary Music.

Primary Nature Study.

Animal Studies.

Elementary Drawing 1, 2.

Blackboard Sketching.

Teachers' History.

Teaching 3.

Principles of Criticism 1.

Kindergarten Courses

MISS HESTER P. STOWE.

The courses in kindergarten instruction, open only to specializing students, are as follows:

1. KINDERGARTEN 1. 12 WEEKS.
   Should be preceded by Psychology 1. Kindergarten gifts 1, 2, 3. Hand work—clay modeling, sewing, slat interlacing, weaving, folding; study of Froebel's Mother Play Book; songs and games.
   Fall and winter quarters, 1-2. Kindergarten room.
2. KINDERGARTEN 2. 12 WEEKS..
   Must be preceded by Kindergarten 1. Kindergarten gifts 4, 5, 6; hand work—geometrical folding, free hand cutting, school of cutting, intertwining; continue study of Froebel's Mother Play Book; songs and games.
   Winter and spring quarters, 2-3. Kindergarten room.
3. KINDERGARTEN 3. 12 WEEKS.
   Must be preceded by Kindergarten 1, 2. Kindergarten gifts 7, 8, 9, 10; hand work—color work, cardboard modeling, baskets and braided work with florist's fiber, willow basket weaving; continue study of Froebel's Mother Play Book; songs, games and stories.
   Fall and spring quarters, 2-3 and 1-2. Kindergarten room.
   Reference books used:
   Education of Man.—Froebel.
   Pedagogics of Kindergarten—Froebel.
   Symbolic Education—Blow.
   Froebel's Education Laws.—Hughes.
   Psychology of Froebel's play Gifts.—Snider.

Special Manual Training Course.

MISS ALICE I. BOARDMAN.

In addition to the regular manual training in the grades of the Training School a course of study has been arranged for Normal students who wish to specialize in this line. This course aims to train teachers for general supervision of manual training. In addition to the group of required subjects (see page 47) the work is largely a laboratory course and requires ten hours a week

during the Two Years' College Life Certificate Course. The course includes bench work; mechanical drawing; designing in Indian basketry and Venetian bent iron; raffia work; weaving; cardboard construction, based on mechanical drawing; clay modeling for primary grades, and lectures on subjects allied to manual training.

Students are required to make original models to be left with the department; to make estimates of lumber and other materials for class work, and also to make various estimates for the equipment of a class room under the existing conditions of schools as they will be found in different towns and cities of the state.

An outline of the specializing course in this department is given below in order that prospective students may gain an idea of the work required.

In addition to the specializing course, another one will be offered each quarter, in which no credit will be given, for the purpose of giving non-specializing students an opportunity to familiarize themselves with the hand work for the primary grades.

COURSE OF STUDY IN MANUAL TRAINING FOR SPECIALIZING STUDENTS

1.	Group of Required Subjects (see p. 47).....	144 Weeks
2.	Elementary Drawing 1, 2.....	24 "
3.	Mechanical Drawing.	12 "
4.	Advanced Drawing 1.....	12 "
5.	Blackboard Sketching	12 "
6.	Bench Work.....	36 "
7.	Basketry, bent iron work, raffia.....	12 "
8.	Card-board construction, weaving, clay modeling	12 "
9.	Electives	24 "

Domestic Science and Art Course

MISS GRACE FULLER.

Recognizing the fact that domestic science and art are becoming important factors in the educational system of our state, the Normal College offers a specializing course for the training of teachers in these lines of work. The requirements for admission are the same as those for other college courses leading to the life certificate. For students who have pursued elementary chemistry and physics in accepted high schools other elec-

tives of equal culture value may be chosen. In addition to the group of Required Subjects (see p. 47) the work will include much practical work in bacteriology, cookery, dietetics, serving, marketing, household economics and art—including drawing, designing, hand sewing, drafting, machine sewing; and hand work for the primary grades. The hand work will include weaving, basketry, and designing similar to that which is done in the last year of the specializing course in manual training (see p. 127).

The practical work in cookery will aim to demonstrate its leading principles, and their modification in the preparation of food for infants, invalids, and adults under widely different conditions.

Under dietetics will be studied the composition of the body; its waste and repair; need of food; kinds and proportions required; composition of various food materials; use of each in the body and their digestibility; best methods of cooking in order to secure greatest nutritive value at the least cost; ways of meeting individual needs; calculation of dietaries for persons of different ages and engaged in different occupations.

Serving includes the study of the principles and practices underlying wholesomeness and attractiveness; the giving of luncheons and dinners.

Marketing involves the economical purchase and preservation of food.

Household economics gives attention to the care of the house and its furnishing; sanitation, the scientific principles involved and practices conducive to maintaining healthful conditions.

An outline of the courses in education, chemistry, drawing and bacteriology will be found in the announcement of courses in their respective departments.

On account of the multiplicity of classes, the course in Domestic Science and Art may begin only with the Fall quarter.

COURSES OF STUDY

1. Group of Required Subjects (see p. 47).....144 Weeks
2. Elementary and Organic Chemistry..... 36 "
3. Elementary Drawing and Design..... 24 "
4. Bacteriology ..... 12 "

5. Cookery ..... 36 "
6 Household Economics, marketing and serving, laundry work, sanitation and home nursing ..... 12 "
7. Sewing, basketry, weaving and elementary hand work ..... 24 "

Huron
River
Scene

Summer School, 1906

FACULTY OF THE SUMMER SCHOOL

L. H. JONES, A.M., PRESIDENT.

FREDERIC H. PEASE,
Director Conservatory of Music.

JULIA ANNE KING, A.M., M. PD.,
Professor of History and Civics.

EDWIN A. STRONG, A.M.,
Professor of Physical Sciences.

FLORUS A. BARBOUR, A.M.,
Professor of English.

BENJAMIN L. D'OOGE, A.M., PH. D.,
Professor of Latin and Greek.

WILLIAM H. SHERZER, PH. D.,
Professor of Natural Sciences.

CHARLES O. HOYT, PH. D.,
Professor of History of Education.

DIMON H. ROBERTS, A.M.,
Superintendent of Training School.

MARK S. W. JEFFERSON, A.M.,
Professor of Geography.

RICHARD CLYDE FORD, PH. D.,
Professor of French and German.

NATHAN A. HARVEY, PH. D.,
Professor of Psychology and Institute Conductor.

JOHN C. STONE, A.M.,
Associate Professor of Mathematics.

FREDERICK R. GORTON, PH. D.,
Assistant Professor of Physics.

ABIGAIL PEARCE, PH. B., B. PD.,
Instructor in English.

ADA A. NORTON, PH. M.,
Instructor in Mathematics.

FLORENCE SHULTES, B. PD.,
Instructor in History.

FANNIE CHEEVER BURTON, M. PD.,
Director of Women's Gymnasium.

ESTELLE DOWNING, A.B.,
Instructor in English.

BERTHA G. BUELL, B.L.,
Instructor in History.

MINOR WHITE,
Instructor in Music.

MARY A. GODDARD, B.S.,
Instructor in Natural Science.

BERTHA GOODISON,
Instructor in Drawing.

S. D. MAGERS, M.S.,
Instructor in Natural Science.

ANNIE H. OLMSTED,
Instructor in Drawing.

MARY M. STEAGALL, PH. B., ED. B.,
Instructor in English and Science.

IDA B. P. FLEISCHER, PH. D.,
Instructor in Modern Languages.

MARY J. LOMBARD, B.L.,
Instructor in Modern Languages.

MARY M. MASTER,
Instructor in Reading and Oratory.

ORLAND O. NORRIS,
Instructor in Latin and Greek.

MATTIE ALEXANDER MARTIN, A.B.
Instructor in Psychology.

H. C. LOTT,
Instructor in Psychology.

W. A. MORSE,
Instructor in Mathematics.

LOTA H. GARNER,
Assistant in Drawing.

CAROLINE L. TOWNER,
Assistant in Music.

FRANK JENSEN,
Assistant in Mathematics.

C. P. STEIMLE,
Assistant in Mathematics.

DARREL H. DAVIS, A.B.,
Assistant in Geography.

H. ETHEL CHILDS,
Assistant in Drawing.

IRENE O. CLARK,
Assistant in Physical Training.

L. ELTA LOOMIS,
Assistant in Physical Training.

TRAINING SCHOOL

DIMON H. ROBERTS, A.M., SUPERINTENDENT.

MARGARET E. WISE,
First Grade.

ABIGAIL ROE,
Fifth and Sixth Grades.

ALICE I. BOARDMAN,
Manual Training.

EDNA T. COOK, B.S.,
Seventh and Eighth Grades.

ELISABETH B. McLELLAN,
Third and Fourth Grades.

LYDIA L. HERRICK,
Kindergarten.

GRACE FULLER,
Domestic Science and Art.

HELENE KNEIP,
Assistant—Kindergarten.

SUMMER SCHOOL OF THE MICHIGAN STATE NORMAL COLLEGE

The Faculty of the Michigan State Normal College will offer work in all its departments, during the six-weeks' Summer Session of 1906. The Library and Laboratories will be open, and all other facilities of the institution will be placed at the disposal of the students.

The Conservatory of Music will be open in all its departments. Tuition will be free to Summer School students in all classes pertaining to public school music.

Summer School will begin June 25, and close August 3. Monday, June 25, will be Classification Day. Classes will begin recitations Tuesday, June 26.

It is especially desirable that students begin work on that day.

The courses offered will be, *regular*, *special* and *general*, as follows:—

REGULAR COURSES

Students pursuing regular work, and desiring credit, will be able to complete two subjects of twelve weeks each, in either general or specializing courses of the College, by taking two recitations per day in each subject. They will enjoy the additional advantage of attending the lectures on general educational topics, which will be given at frequent intervals during the session by men of national reputation, and which will be free to all students, both regular and special. The lectures will occur at an hour in which they will not conflict with regular classes.

SPECIAL COURSES

Special Courses in School Supervision and General Method, will be offered by members of the faculty and by others engaged for the purpose. These courses will be of such a nature as to make them of especial value to teachers who have had experience in teaching or supervision, and who wish to broaden and deepen their knowledge in the light of that experience.

Special courses of six weeks will be offered also for village and rural school teachers, and for those wishing to prepare for examinations before County Boards or the State Board of Education.

Additional sections will be formed in these classes if necessary.

Courses of six weeks will also be given in methods in various departments.

An observation school will be conducted by the faculty of the training school, including the kindergarten and first seven grades. Special attention will be given to manual training in these grades.

Classes in Domestic Science and Art will be given during the entire term.

The new science building will be used by the science department. Well-equipped physical, chemical, zoölogical, geological, and botanical laboratories will be open to students, without extra expense. The geographical department will offer excursions to points of interest in connection with this important branch of school work.

The Conservatory of Music will be open during the entire six weeks of the Summer Session. Courses in public school music and methods of teaching, and in voice culture, sight singing and harmony, will be given free to members of the Summer School.

The department of drawing will give special attention to work suitable to those wishing to become supervisors of this branch, as well as to those who wish general class work in drawing. The entire art collection of the department will be at the service of the classes.

A well-equipped gymnasium for men, and one for women, will be open with regular work suited to the needs of students of the Summer School. Methods in adapting gymnastic exercises to public schools will receive careful attention.

GENERAL COURSES

The general lecture courses which have proved so popular and helpful in the last few years will be given again this year. *These are all free.* They will consist of lectures on educational themes of interest to teachers who seek inspiration, improvement, and advancement in their profession, and will be given for the general benefit of the whole body of students.

Professor John Dewey, head of the Department of Philosophy and Psychology of Columbia University, New York City, will give a course of six lectures, beginning Tuesday, June 26, and closing Saturday, June 30. Professor Dewey is well known in Michigan, through his brilliant work in Philosophy while he was head of that department in the University of Michigan. As head of the School of Education of the University of Chicago, he added greatly to his reputation, especially as a leader of educational thought and practice in elementary education. He is one of the few eminent scholars who have the faculty of saying profound things in such a manner as to be easily understood. He will appeal strongly to all classes of teachers. His coming to us will give principals and superintendents

an opportunity to hear the newest and most advanced views of educational principles and practices.

Professor George H. Palmer, head of the Department of Ethics, Harvard University, will be with us the week beginning July 2. Professor Palmer is one of the most conspicuous examples of one who has attained to true culture through scholarship. His writings have been widely read by cultivated people here and abroad. His lectures will set a high standard of excellence, and be full of inspiration for teachers. To meet him is to feel a higher respect for human culture.

Richard T. Wyche, who is probably the best teller of the great stories now on the platform, will lecture on the art of telling stories to children, and will illustrate his lectures by telling the great classic stories. He will also give exercises in story-telling with the children of the training school. This is a rare opportunity for teachers to hear this gifted scholar illustrate the most artistic mode of teaching literature. He comes to us for the week beginning July 9.

Col. C. H. French, the noted traveler and lecturer, who has in two preceding summer schools so interested us by his beautiful pictures and instructive talks, will be with us for three days during the week beginning July 23. He will give a course of six lectures (two each day) at four o'clock and eight o'clock p.m. Michigan teachers have had occasion before to appreciate the high artistic qualities which Colonel French insists upon in the pictures which he shows. The work which he will do for us in this next Summer School will not suffer by comparison with anything of like character given anywhere.

Professor Benj. L. D'Ooge, head of the Department of Ancient Languages in the Normal College, will give three

Michigan Central System. The Ypsilanti branch of the Lake Shore and Michigan Southern gives a means of approach from the south and west. The D. Y. A. A. & J. electric line passes through the College Campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

Purpose

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the work of the college. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a training school of ten grades and kindergarten is conducted. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

Buildings and Equipment

The College occupies six buildings upon a campus of thirty acres. Separate buildings are devoted to Physical training, the Training School, the Students' Christian Association, Science, and the Conservatory of Music. The

Week beginning July 23—Colonel C. H. French.
" " " 30—Professor N. A. Harvey.

This is, without doubt, the strongest and most brilliant course of lectures ever planned for a Summer School in the West.

The President's Round Table

President L. H. Jones will conduct a Round Table, at which practical educational questions and problems will be discussed. This cannot fail to be of personal interest and value to every progressive teacher.

Fees

The regular fee for the six weeks is $3.00. This fee covers all the work of the departments and all lectures.

Those taking the course for village and rural schools only, will not be charged any fee.

All lectures are free to all members of the Summer School.

Good table board can be had at $2 to $2.50 per week. Rooms cost from 75c to $1 per week. Rooms for light housekeeping can be had at slight expense.

Location

The Michigan State Normal College is located at Ypsilanti. Ypsilanti is a beautiful and healthful city, having a population of about 8,000. The College buildings are on high ground, overlooking the city, giving almost ideal conditions for a Summer School. The city is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the

high school work, with not less than two thoroughly equipped teachers wholly employed in distinctively high school work, be admitted to the regular two-years' life certificate college courses without examination.

2. That all pupils who have finished not less than two years of high school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on this course for all work which they may have already done beyond the first two years of the high school course. Students are urgently advised, however, to complete the high school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the college.

3. That the pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, at the discretion of the faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily repeated on the first trial; and that all such cases be reported back to the high schools from which they came, with the facts in each case, to the end that the superintendents and principals of high schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination, may, at the discretion of the faculty, be withdrawn from graduates of such schools."

Persons who do not desire credit on the books of the college for work done, will be admitted without examination to such courses as their previous training warrants.

Graduates of colleges of high rank, and persons that have taught under a life certificate granted by the State Board of Education, or a first grade teacher's license that has been endorsed by the State Superintendent of Public Instruction, are also exempt from entrance examinations.

Graduates of accepted high schools should bring their high school credits with them. Blanks will be furnished on application. These should be filled out and signed by the principal of the high school, or by the superintendent, and presented together with the diploma on entering. No other credentials are necessary.

SCHEDULE OF CLASSES

and

DETAILS OF DEPARTMENTS

for

SUMMER SCHOOL

Graduates of colleges of high rank, and persons that have taught under a life certificate granted by the State Board of Education, or a first grade teacher's license that has been endorsed by the State Superintendent of Public Instruction, are also exempt from entrance examinations.

Graduates of accepted high schools should bring their high school credits with them. Blanks will be furnished on application. These should be filled out and signed by the principal of the high school, or by the superintendent, and presented together with the diploma on entering. No other credentials are necessary.

Schedule of Classes—Summer School—1906

11-12	1-2
Arithmetic, Teachers' (10-11) Blackboard Sketching (2d half) Botany, Physiological (10-11) Cæsar (8-9) Chemistry 1 (10-11) Domestic Science (10-11) Drawing, Advanced (10-11) Drawing, Elementary 1 (10-11) *Geography, General Harmony 2 History, Advanced American (10-11) History, Teachers' (10-11) History, General Kindergarten Primary Music (10-11) Latin 1 (8-9) Manual Training Physical Education, Teachers' (10-11) Physical Laboratory Practice (10-11) Psychology 1 (10-11) Public School Gymnastics Shakespearean Reading (2-3) Voice Culture (10-11)	*Algebra, Elementary Drawing, Elementary 1 (1st half) Drawing, Teachers' (2-3) German Conversation and Composition (2-3) Psychology 1 (2-3) Elementary Botany
2-3	**3-4**
*Algebra, Elementary Algebra, Higher 10-11) *Arithmetic Review Astronomy, General Drawing, Elementary 1 (2d half) Drawing, Teachers' (1-2) French 1 (9-10) Geography, Field (3-4) German, 1 (9-10) Grammar, Teachers' (3-4) Greek 1 (7-8) History, Industrial (3-4) *History, United States Music, Elements of 2 (3-4) *Physiology, Review Psychology 1 (1-2) Psychology 1 (3-4) Public School Gymnastics *Rural School Gymnastics Shakespearean Reading (11-12)	*Arithmetic, Review *Civil Government Elocution 1 (10-11) French, Advanced (10-11) Geography, Field (2-3) Geometry, Plane (9-10) German Advanced (7-8) General Lectures in Normal Hall (4-5) Grammar, Teachers' (2-3) *Grammar, Preparatory History of Education (h) (8-9) History, Industrial (2-3) Music, Elements of 2 (2-3) Physiology, Teachers' (9-10) Psychology 1 (2-3) Public School Gymnastics Trigonometry 9-10)

* For Rural Schools.

An hour number following a subject indicates that this class meets also at the second hour named.

Summer School of 1906

DETAILS OF DEPARTMENTS

ANCIENT LANGUAGES

COURSES IN LATIN:—

1. *Beginners' Latin*—Two recitations daily, except Mondays. The work done will be equivalent to that of the first quarter in the regular course. This work will be of such character as to enable one pursuing it to continue the study of Latin to advantage without a teacher, if need be. Credit, 12 weeks. Hours, 8-9, 11-12 a.m. Room 34. Professor D'Ooge.

2. *Cæsar.* Two recitations daily, except Tuesdays. A full term's work in Cæsar will be covered, and such training in the art of translating will be given as will enable a pupil to continue the work without a teacher, if need be. Credit 12 weeks. Hours 8-9, 11-12 a.m. Room 35. Mr. Norris.

3. *Latin Writing.* This course is planned especially to meet the needs of teachers who feel themselves weak in Latin composition. Practical problems in Latin Syntax will be discussed, and especial attention will be given to the cultivation of a good Latin style. Credit 6 weeks. Hour 9-10 a.m. Four days weekly. Room 34. Professor D'Ooge.

4. *Teachers' Course in Cæsar, Cicero, and Vergil*—This course is designed to meet the practical problems of the school room. Methods of presentation, books of reference, text-books and all other matters relating to the conduct of the work will be considered. Credit 6 weeks. Hour 10-11 a.m. Four days weekly. Room 34. Professor D'Ooge.

COURSE IN GREEK:—

Beginners' Greek—Two recitations daily, except Fridays. The work done will be equivalent to that of the first quarter in the regular course. Credit 12 weeks. Hours 7-8 a.m., 2-3 p.m. Room 35. Mr. Norris.

These courses are tentative selections merely, hence are subject to alteration or withdrawal. An effort will be made to adapt the work given to the desires and requirements of the students who present themselves.

Students in the Summer School will have free access to the department library of several hundred volumes, consisting of the best authorities on the language and literature of Greece and Rome. This will afford abundant opportunity to such as wish to pursue private studies and investigations.

DRAWING

1. *Elementary Drawing* I.—

8–10	Miss Childs.	Room 10.		12 weeks' credit.
10–12	Miss Garner.	Room 50.		12 weeks' credit.
1–2	Miss Childs.	Room 50.	First Half.	6 weeks' credit.
2–3	Miss Childs.	Room 50.	Second Half.	6 weeks' credit.

This course takes up the study of the following type forms: The sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character, These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament.

2. *Elementary Drawing* II.—8–10. Room 50. Miss Olmsted. 12 weeks' credit.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications; borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

3. *Blackboard Sketching.* Room 24.

8–10	Miss Garner.		12 weeks' credit.
10-11	Miss Goodison.	First Half.	6 weeks' credit.
11-12	Miss Goodison.	Second Half.	6 weeks' credit.

Elementary drawing 1 and 2, or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

4. *Teachers' Drawing.* Room 9.

1-3. Miss Goodison. 12 weeks' credit.

Elementary drawing 1 and 2 must precede.

This course takes [up] the study of [methods of teaching drawing in the eight grades. Some time is spent in studying the pirnciples of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

5. *Advanced Drawing.* Room 14.

10-12 Miss Olmsted. 12 weeks' credit.

Advanced Drawing I.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers, and other subjects covering the main problems in decorative design.

Advanced Drawing 2.

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal, from still-life and casts. Landscape composition is studied, with some out-of-door sketching.

Either Course I or II will be offered.

ENGLISH

COURSES

1. *Preparatory Grammar*—A topical review of the most important constructions in English Analysis, together with a review of

Etymology. The course should be especially useful for students desiring to get a third-grade certificate by county examination. As many sections will be made as may be required, to accommodate all pupils wishing to take this course. One class will meet at 7:00; one at 8; and another at 3 o'clock. Each class will be divided into sections, if necessary.

2. *Principles of Criticism* I. Lectures upon Principles of Criticism preparatory to the study of poems selected from the American poets. It should be noted that the course is not a study of American Literature, but an attempt to apply the principles of criticism to certain selections from American poetry. It should prove suggestive and helpful to teachers of Literature in elementary schools or high schools.

Two hours daily. Room 41. 7-9 a.m. Miss Pearce.

3. *Teachers' Grammar.* (a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Section 1. Two hours daily; 9-11 a.m. Room 40. Professor Barbour.

Section 2. Two hours daily; 2-4 p.m. Room 42. Miss Downing.

4. *Advanced Rhetoric.* A six weeks' course of lectures giving a general review of rhetorical principles. Reference will be made to models in description, narration, exposition, and argument, and special attention will be given to material for composition work and to the best methods of teaching rhetoric. The course is especially designed for those who have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or in high schools.

One hour daily; 10-11 a.m, Room 43. Miss Downing.

5. *Advanced English Literature* II. A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. Three novels will be given special consideration as illustrating the subject-matter of the lectures: Ivanhoe, Silas Marner, and Vanity

3. *Blackboard Sketching.* Room 24.

8–10	Miss Garner.		12 weeks' credit.
10-11	Miss Goodison.	First Half.	6 weeks' credit.
11-12	Miss Goodison.	Second Half.	6 weeks' credit.

Elementary drawing 1 and 2, or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

4. *Teachers' Drawing.* Room 9.

1-3. Miss Goodison. 12 weeks' credit.

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the pirnciples of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

5. *Advanced Drawing.* Room 14.

10-12 Miss Olmsted. 12 weeks' credit.

Advanced Drawing I.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers, and other subjects covering the main problems in decorative design.

Advanced Drawing 2.

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The work in this course is in charcoal, from still-life and casts. Landscape composition is studied, with some out-of-door sketching.

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Fair. The aim is to make the course a suggestive one not only for high school teachers, but for any teachers of narrative prose.

One hour daily; 9-10 a. m. Room 42. Miss Pearce.

6. *Shakespeare.* A six weeks' course of lectures on the technical construction of the drama. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Rather full discussion of the dramatic intent and purpose of Shakespeare in three of his great tragedies (Hamlet, Macbeth, and King Lear), will be presented as illustrating the principles of construction given in preceding lectures. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

One hour daily; 8-9 a.m. Room 40. Professor Barbour.

GEOGRAPHY

1. *General Geography of the Continents.* Six weeks. Four hours' weekly. A course of lectures will take up the physical features that seem to exercise most evident control on the distribution of man, and the social and political reactions of men to the control, with especial reference to the geography of Michigan.

An examination will be offered to those who wish credit in this course. Room 21. 11 a.m. Professor Jefferson.

2. *Geography of American History.* The course will seek to show the part that geography has played in making our country what it is, that teachers may make the action of history more vivid by better realization of the scenes in which it has occurred. Brigham's Geographic Influences in American History will be used in part as a text, and the work illustrated by the college collection of maps and models. Students will be shown how to prepare wall maps and diagrams for class use. Those who wish credit may obtain it by examination. Room 21. 10 a.m. Professor Jefferson. 6 weeks.

3. *Teachers' Geography.* 12 weeks. Two recitations a day. This course is designed to prepare students for teaching geography in the public schools, as far as its subject matter is concerned. It deals with the nature and use of maps, and the study and teaching of weather and climate. 7-8, 8-9. Room 21. Mr. Davis.

4. *Field Geography.* Teachers' half-course, four times weekly. Saturdays a half day and three other days from 2 to 4 p.m. There are two aims in this work:—(1) to help teachers to recognize the geographic features of the landscape, and (2) to plan the use of these out-door forms in teaching with a text-book. Professor Jefferson.

HISTORY

1. *United States History.* An elementary course adapted to the needs of those wishing to prepare for the county examination. The ground covered will depend entirely upon the proficiency of the class. Text-book, any good United States history. 2-3. Room 48. Credit in preparatory on examination. Miss Buell.

2. *Civil Government.* This course in government as well as that in U. S. History will be conducted in the interest of students preparing for a county examination. Text-book, James and Sandford. Credit in preparatory on examination. 3-4. Room 48. Miss Buell.

3. *General History.* The course is elementary, and seeks to meet the needs of those desiring review for county examination. One hour daily. 10-11 and 11-12. Room 36. Miss Shultes.

4. *Advanced American History.* This course is designed for advanced students, and presupposes a thorough elementary course. The work is arranged with special reference to teaching the subject. Text-book, MacLaughlin, or some work of like grade. Hours, 10-12. Credit 12 weeks college work. Room 48. Miss Buell.

5. *Modern History.* 1500-1800. Text-book, Schwill, with assigned library work. Hours, 7-9. Room 36. Credit 12 weeks. Miss Schultes.

6. *Teachers' History.* The preparation for this course must include the usual high school history and some knowledge of psychology. Lectures, research, and the handling of primary material. Two hours daily. 10-12. Credit 12 weeks. Room 49. Professor King.

7. *Industrial History.* The work follows a text-book, supplemented with research work. Two hours daily. 2-4. Credit 12 weeks. Room 49. Professor King.

MATHEMATICS

1. *Arithmetic.*—A review for those who desire to prepare for teachers' examination. Six weeks. Four sections. 9-10, 10-11, 2-3, and 3-4. Associate Professor Stone and Mr. Morse.

2. *Elementary Algebra.*—A review of Algebra through quadratics for those who desire to prepare for teachers' examination. Six weeks. Four sections. 8-9, 9-10, 1-2, and 2-3. Mr. Jensen, Mr. Steimle and Mr. Morse.

3. *Plane Geometry.* Twelve weeks. 9-10 and 3-4. Mr. Steimle.

4. *Trigonometry and Logarithms.*—An elementary course in plane trigonometry and the use of logarithmic tables. Twelve weeks. 9-10, 3-4. Mr. Jensen.

5. *Teachers' Course in Arithmetic.*—This course will be carried on partly by lectures and partly by reviews and discussions of typical parts of the subject. It is assumed that those who enter know arithmetic, algebra, and geometry, and have some knowledge of psychology. Two sections. 7-9 and 10-12. Associate Professor Stone and Miss Norton.

6. *Higher Algebra.* A comprehensive review of elementary algebra, together with a study of the idea of a function, the remainder theorem, determinants, the graph and theory of equation. Twelve weeks. 10-11, 2-3. Miss Norton.

7. *Methods in Geometry.* This course is designed for teachers. The history of the introduction and development of the various parts of geometry will be considered. Special attention will be given to method of attack. Six weeks. 9-10. Associate Professor Stone.

MODERN LANGUAGES

GERMAN COURSES:—

1. *For Beginners.* Twice daily. Pronunciation, conversation, and reading based on careful drill in the grammar. One term's credit 9-10. 2-3 Room 22. Dr. Ida Fleischer.

2. *Conversation and Composition.* Twice daily. 8-9. 1-2. Room 22. Dr. Ida Fleischer.

3. *Advanced Review Course.* Twice daily. This class is for those who may wish to refresh their knowledge of the language,

and gain a new fund of information and enthusiasm. 7-8. 3-4. Room 50A. Professor Ford.

A special effort will be made to meet the wants of high school teachers of German. Questions concerning the methods and pedagogy of modern language teaching will be freely discussed in the advanced class, and all students will be given opportunity to inform themselves on subjects in which they feel the need of advice and assistance. They will also have free access to the department library of several hundred volumes, consisting of the best works on German history, language, and literature. This will enable them to pursue various courses of reading and to make for themselves bibliographies of the subjects in which they are especially interested.

FRENCH COURSES:—

1. *For Beginners.* Twice daily. Drill in pronunciation, grammar, conversation and reading. One term's credit 9-10. 2-3. Room 23. Miss Lombard.

2. *Advanced Course.* One or two hours a day, as occasion demands. 10-11, 3-4. Room 50A. Professor Ford.

The courses outlined in the department are not necessarily fixed, and may be changed if there is sufficient need for it.

MUSIC

1. *Elements of Music.* This course is designed, primarily, for those who have never studied the rudiments of music. It is a beginners' class, but it will also afford an opportunity to those who have already taught music to review the subject and give them the benefit of observing the professional work done by the regular instructor. 8-10. Miss Towner.

2. *Elements of Music* 2. 2-4. Miss Brabb.

3. *Kindergarten and Primary Grade Music.* This course includes the foundation principles, upon which the best methods are based, for presenting the subject of elementary music in the Primary grades. A careful study is made of each phase of the work, from kindergarten through the third year, under such heads as: The use of the child's voice (how to cultivate and retain vocal purity), ear training, the development of the tonal and rhythmic sense, the treatment of monotones and song interpretation. A sequence of selected children's songs, with suggestions for presen-

tation and artistic rendering, will be given. It is desired that the students have some knowledge of instrumental music as an aid in the development of rhythm. 10-12. Conservatory. Miss Towner.

4. *Teachers' Course in Public School Music.* A critical study is made in this course of the professional aspects of the subject, together with the best ways of presenting it in the eight grades. The series of lessons includes the detailed course, children's use of the voice, the art of teaching music reading, the discussion of various methods, and the proper conducting of classes. 8-10. Conservatory. Professor Pease.

5. *Voice Culture.* Principles of tone production developed, and attention given to each individual voice. Emphasis is placed upon the last point. This course is open to all students. Solo singing is introduced, and the rudiments of voice culture are developed. Special attention is given to the training and guidance of the child's voice in speaking and singing. 10-11. 11-12. Conservatory. Professor Pease.

6. *Harmony.* Students entering this class should have had elements of vocal music and should be able to play the piano or organ sufficiently for playing chords and hymn tunes. The work consists of a study of chords and intervals, their construction, analyzation, and mental effects. 7-9. Conservatory. Miss Brabb.

7. *Harmony* 2. 11-12. Professor Pease.

NATURAL SCIENCES

BOTANY, ZOÖLOGY, PHYSIOLOGY, GEOLOGY AND NATURE STUDY

1. *Elementary Botany.* The chief aim of this course is to fit the teacher to pass the county examination required for second and third grade certificates, but it also aims to give a good review in botany for those desiring such work. It will be largely a lecture course. Some microscopical work will be done and questions ordinarily covered in county examinations will be discussed. Many of the important activities of a plant will be explained by means of experiments, and much illustrative material from the school gardens and elsewhere will be used in the class room. One or two field excursions will be arranged for. No credit. Rooms F and H, Science building. 9-10 daily. Miss Goddard.

2. *Field Botany.* The work in this course will include much outdoor study. It will deal with such problems as cross pollination, seed distribution, the light relation of leaves, adaptation of plants to their environment, their struggle for existence, and their classification according to moisture. It will also aim to make the student familiar with as many as possible of our common trees and other plants. In addition to this there will be microscopical work done on the structure of typical roots, stems and leaves in order that the student may understand the work of plants. Numerous excursions will be made to various points in the vicinity. Each student should be provided with Bergen's Revised Elements and a simple lens. Ladies should have short skirts for tramping. Six weeks' credit. 7-9 a. m. daily. Rooms F and H, Science building. Miss Goddard.

3. *Physiological Botany.* This course deals with the life activities of the entire plant. Special emphasis will be laid upon the processes of respiration, starch formation and the part which the sun's energy plays in plant life. There will be treated by direct individual experiment such problems as digestion, irritability, growth, etc. Enough microscopic work will be done upon plant structure to render the experiments intelligible. This laboratory work will be supplemented with outdoor observations and lectures. Six weeks' credit. Rooms F. and H, Science building. 10-12 daily. Miss Goddard.

4. *Animal Studies.* Is an abridgement of the regular twelve weeks' course of the same name. It attempts to deal in a practical way with the material of nature study used in the grades, primarily for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required.

Since as much time as possible will be spent out of doors each member of the class should have a small collecting pail, small, wide-mouthed bottles and, if possible, a pair of field or opera glasses and hand lens. It is suggested that the women be provided with heavy shoes, short, stout skirts and caps.

Text: Jordan, Kellogg & Heath, "Animal Studies." (Appleton). Six weeks' credit. Room M. 8-9 daily. The hour 7-8 should be left open for field work. Mr. Magers.

5. *Physiology Review.* The chief object in this course is to prepare teachers to pass the county examinations in this subject, giving them at the same time as clear an understanding as possible of human anatomy, histology, physiology, hygiene, and contagious disease. The work will consist of recitations, lectures, and demonstrations, the department being well supplied with models, skeletons, charts, preparations and thin sections, available for individual study. An elementary knowledge of the subject is assumed. Credit will be given in preparatory physiology to those who satisfactorily complete the course. Daily, 2-3. Room K. Mr. Magers.

6. *Teachers' Physiology.* While this course is intended primarily as a preparation for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Credit 12 weeks. Room K. Class meets twice a day, 9-10 and 3-4. Mr. Magers.

7. *Primary Nature Study.* A course of lectures and demonstrations intended primarily for teachers of the elementary grades and those who have the supervision of such work. There will be discussed the underlying principles of the subject and the most important aims and methods. Certain special topics recommended for the primary school will be presented for purposes of illustration. Complete courses of study for the first four grades will be outlined and suggestions given in regard to the collection of material, its care and devices for the study of live forms in the school room. The question of the school garden will receive especial attention and illustration. Hour 9-10, except Fridays. Room A. Since no especial requirement is made, there will be no credit. Professor Sherzer.

8. *Minerals and Rocks.* This is a practical study of the more common minerals and rocks, particularly those of economic import-

ance. Bulk material is furnished to the teacher for study and he is assisted in making a small private collection. Blow-pipe methods and simple chemical manipulation will be acquired. Field trips will be made as often as needed for the collection of local material and the week end excursions will afford opportunity for collecting from more distant localities. No previous knowledge of geology or chemistry is presupposed. Hours, 8-9 daily, with a laboratory hour arranged to suit the convenience of the student. Six weeks' credit. Rooms A and C. Professor Sherzer.

9. *Physiographic Geology.* An elementary study of those geological agencies which are now at work in modifying the surface of the earth in order that the pupil may understand how these agencies have operated in past time. The course will cover the mechanical and chemical action of the atmosphere, the geological effects of ice and running water, the various organic agencies in our ponds, lakes and seas, and the phenomena due to the internal heat of the earth. The course will consist of library work and lectures, illustrated with photographs, models, specimens and lantern slides. Some elementary text will be used as a guide. The week-end excursions to be given are primarily for the members of the class, so far as they may desire to take advantage of them. Hour 10-11 daily. Six weeks' credit. Room A. Professor Sherzer.

10. *Week End Excursions.* These excursions are planned primarily for the students of Courses 8 and 9, so far as they may wish to take advantage of them. Others will be welcomed until the limit set for each excursion is reached. They will afford opportunity for special field studies, sight seeing and recreation from the heavier studies of the week, and are open to both ladies and gentlemen. To be personally conducted by Prof. Sherzer. The shorter excursions have been more than filled by members of the summer school, but the expense connected with the longer trips prevents many from going who would otherwise wish to do so. For this reason there will probably be room for others who may live near enough to take advantage of these excursions. Places should be spoken for in advance by writing Prof. Sherzer.

Excursion 1. July 7th. Ypsilanti to Trenton by special electric car for the purpose of observing the ancient beaches and lake deposits made by the predecessors of our Great Lakes. The *drowned* streams which empty into the Detroit river, the quarry of Cornifer-

ous limestone at Sibley's and the effects of the four great advances of the Canadian ice sheets. Dinner will be had in Trenton at the hotel, and a box lunch carried to be eaten at Belle Isle, Detroit's famous park. Expense about $1.35.

Excursion 2. July 14th. Ypsilanti to Put-in-Bay, Lake Erie, by special electric car and steamer. The trip gives 120 miles of water travel and five hours upon the island, with associations of Commodore Perry and his victory. There will be observed rock structure, wave action, cavern formation and ice erosion. Box lunch. Expense about $1.40.

Excursion 3. July 19th, 20th, and 21st. Ypsilanti to Niagara Falls, New York, starting Thursday p. m. and reaching home early Sunday, the 22nd. Two nights will be spent upon Lake Erie, aboard the floating palaces Eastern and Western States, and the third night at the Falls, at the International Hotel. The geological features of the celebrated cataract and gorge will be studied and places of historic interest visited. Specimens of the Niagara series of rocks will be collected by those interested. The trip upon the "Maid-of-the-Mist will be taken and a visit made to the plant of the Niagara Falls Power Company. Number limited to 25. Total expense about $13.

Excursion 4. July 26th, 27th, 28th and 29th. Ypsilanti to Mammoth Cave, Kentucky. Special car to Cincinnati and river packet to Louisville, giving the evening ride upon the Ohio River. One crossing of both Ohio and Kentucky by daylight, in order to compare a *glaciated* region, with its fresh soils, glacial moraines and drainage channels, with an *unglaciated* region, showing its rusted soils, weathered hills and sink holes. The present plan is to spend parts of two days at the Cave, and to take both the Short and Long Routes. The air of the cavern is so invigorating that this can be done by any one who is not feeble, or an invalid. A few hours will be spent in Cincinnati, in sight seeing. Number limited to 25. Total expense will be somewhere near $27.

Excursion 5. "House Party." Negotiations are in progress with the railroads concerning rates to the West, starting August 4th for a 30-day trip in a special car. The itinerary will include Garden-of-the-Gods, Pikes Peak, Salt Lake, Yellowstone National Park, Columbia River, Portland, Seattle, Victoria, Vancouver, the Selkirks and Canadian Rockies, Canadian National Park, St. Paul and Chicago. Aside from the sight seeing and recreation, the pur-

pose of the excursion is geological, and every process and rock structure will receive abundant illustration. If suitable rates are secured, the entire expense should not exceed $225. Any who are interested are invited to correspond with Professor Sherzer.

THE PHYSICAL SCIENCES

1. *Principles of Physics.* This course is designed to cover the entire subject of physics as a demonstrative and review course. It will deal mainly with the principal laws of physics and their applications. The course is intended for students who have had the subject in high schools, with inadequate facilities for demonstrative experiments. The course may be taken during the summer by those desiring to prepare for county and state examinations. A special feature of this course will be the study of the transmission and transformation of power used by the electric road whose power plant is in the city, and the municipal pumping and lighting station operating from the Huron River. A two-hour course with 12 weeks' credit. Daily, from 8-10. Room 6, Science Building. Assistant Professor Gorton.

2. *Physical Laboratory Practice.* A general course in elementary laboratory practice, with full quiz upon the entire subject. May be taken by those who have had a full year of physics in a high school, but have had insufficient laboratory practice; by those who wish in this way to review and obtain credit for the entire subject; or by specialists in this department who wish to have a laboratory course, but for any reason cannot get advanced laboratory practice. A two-hour course with 12 weeks' credit. Daily 10-12. Rooms 6 and 11, Science Building. Assistant Professor Gorton.

3. *Chemistry* I. A beginning course in the chemistry of the non-metals, with demonstrative and laboratory work. A two-hour course with 12 weeks' credit. 10-12. Rooms 14 and 18, Science Building. Professor Strong.

4. *Chemistry* IV. A course in qualitative chemical analysis following Chemistry 3 of this institution or equivalent work elsewhere. A two-hour course with 12 weeks' credit. 8-10. Daily. Rooms 14, 15 and 18. Science Building. Professor Strong.

5. *General Astronomy.* A one-hour course in general or non-mathematical astronomy with six weeks' credit. Daily, with

observatory work. 2-3. Room 1, Science Building. Professor Strong.

6. If called for, a lecture course will be given in modern theories of matter and recent progress in electricity. Twice a week. 3-4. Professor Strong and Assistant Professor Gorton.

PHYSICAL EDUCATION

1. *Physical Training* 1. (Women). 8-9. Mrs. Burton. Swedish gymnastics and school-room games.

2. *Physical Training* 5. (Women). 9-10. Mrs. Burton. Dumb bells and Indian clubs.

NOTE: The lectures usually given with these courses may be arranged for by conferring with Mrs. Burton. Credit will then be given.

3. *Public School Gymnastics.* (Men and women). 9-10, Miss Irene Clark. 11-12, 2-3, 3-4, Miss Loomis.

4. *Rural School Gymnastics.* (Men and women). 10-11, 2-3, Miss Irene Clark.

5. *Teachers' Course.* 10-12. Mrs. Burton. Recitation room work. Theory of Physical Education.

6. *Tennis.* An apportunity will be given for a limited number of men and women to use, at regular hours, the tennis courts, but credit will not be given.

Courses 1 and 2 require the regulation suit, which may be obtained here at a cost of about $5.00. It is possible to rent suits for the season.

Course 2 is open only to advanced students.

PSYCHOLOGY AND EDUCATION

PSYCHOLOGY AND GENERAL METHOD

Psychology 1. Lectures, recitations, readings, and reports upon the same. The class will cover about the work outlined in the first nine chapters of Titchener's Primer of Psychology. The work will be based upon Titchener's Primer and Angell's Psychology. There will be four sections. Each section will recite twice a day. 7-9, 10-12, 1-3, 2-4.

These classes will be under the care of Superintendent H. C. Lott, of Elk Rapids, Mich., and Miss Mattie Alexander Martin. Superintendent Lott is spending the current year in doing special pedagogical work in Columbia University, and Miss Martin is doing special work in psychology and philosophy at Cornell.

Psychology 2. Lectures, recitations, readings, and reports upon the same. The class will cover the work outlined in Titchener's Primer, Chapters X to XV, inclusive, and Rowe's Physical Nature of the Child. Titchener's Primer or Angell's Psychology. One section, 7-9. Professor Harvey.

General Method. This course will be open to all regular students who desire credit, and to such special students of the Summer School as may wish to broaden themselves along the line of the more important principles of education. Especial attention will be given to Education, its meaning and purpose; the course of study and the relative educational values of the subjects constituting the same; the nature and educational value of interest; inter-relation of studies; examination, promoting and grading of pupils; and the inductive-deductive teaching process.

The work will be conducted by means of lectures, reports, and class discussions. 7-9. Room 50. Professor Roberts.

SCIENCE AND HISTORY OF EDUCATION

1. *Science of Education* A study of the biological, physiological, sociological, psychological and philosophical aspects of education. Text: Horne's Philosophy of Education. Hour 7-8. Room 26. Professor Hoyt.

2. *School Administration.* A study of the history and problems of supervision: (1) the qualification of the superintendent; (2) his relation to the board of education, teacher, children, and the community; (3) the functions of the superintendent as the executive officer of the board and as a supervisor; (4) professional ethics. This course is designed for superintendents and principals of schools. Hour 9-10. Room 26. Professor Hoyt. From time to time President Jones will meet with this class and will conduct round-table discussions.

The courses in Science of Education and School Administration may be credited for degree work.

3. *History of Education.* A study of the educational problems since the seventeenth century. This course will be divided into two parts as follows: (a) An intensive study of the educational doctrines of modern education and their development. This will be done by means of work on assigned topics and readings, reports and discussions. Hour 8-9. Room 26. Professor Hoyt. (b) A course of lectures on the lives and work of the great educators, including Comenius, Rousseau, Pestalozzi, Frœbel, Herbart and Horace Mann. Hour 3-4. Room 26. Professor Hoyt.

Students desiring credit in this subject must take both parts of this course. Those not working for credit will take part (b).

READING AND ORATORY

1. *Elocution* I. 12 weeks' credit. 10-11 a. m. and 3-4 p. m., four days a week. Miss Master.

Vocal exercises, study of sources of power in speaking and of the vocal elements, quality, force, time and pitch; preparation and reading of classic selections.

2. *Shakespearean Reading.* 12 weeks' credit. 11-12 a. m. and 2-3 p. m., four days a week. Miss Master.

A study of the principles of Shakespeare's dramatic art and an examination of the plots and characters of the drama as they bear upon the vocal expression of selections rendered by the class. Studies will be made of passages from Hamlet, Macbeth, Julius Cæsar, and Merchant of Venice.

In addition to the above courses a class will be organized for work bearing upon the teaching of reading in the rural schools.

TRAINING SCHOOL

Superintendent—Dimon H. Roberts.
Kindergarten—Lydia L. Herrick, assisted by Helene Kneip.
First Grade—Margaret E. Wise.
Third and Fourth Grades—Elisabeth B. McLellan.
Fifth and Sixth Grades—Abigail Roe.
Seventh and Eighth Grades—Edna T. Cook, B. S.
Manual Training—Alice I. Boardman.
Domestic Science—Grace Fuller.

The training department will open a school for observation dur-

ing the *first four weeks* of the summer term. The kindergarten and all the elementary grades with the exception of the second will be in session from 8 to 11 a. m. each day.

The teaching will be entirely in the hands of the regular critic teachers, and the work will aim to illustrate accepted methods in manual training, domestic science, nature study, reading and literature, arithmetic, geography and history.

Students electing observation in the Training School will be expected to do regular work and report regularly to the critic teachers in charge. The hour from eleven to twelve each day will be set apart for informal talks by the critic teachers; for the general discussion of lesson plans, methods, courses of study, principles of education, and for the consideration of questions which naturally grow out of illustrative teaching.

No credit is given in this department during the summer term; but a certificate of attendance may be issued by the superintendent to those teachers who have been regular in their observation work during the four weeks which the school has been in session.

DOMESTIC SCIENCE AND ART

In addition to the illustrative work in domestic science and art in the grades of the Training School, the following special courses will be offered to the summer students:

Domestic Science. A course of twenty-four lessons in the study of food in its relation to (1) life processes, (2) economic conditions. This will be illustrated by lectures upon digestion and assimilation, fuel and economic values, and by practical work upon the selection, preservation, and preparation of food. Credit will be given only to those who continue specializing in this line of work.

Domestic Science room, Training School building. 10-12. Miss Fuller.

Domestic Art. The nature of this course will be definitely determined after the class is formed. Elementary sewing, as taught in the grades, will occupy a considerable portion of the time, and if there is a demand for other forms of hand work the course will be arranged accordingly.

Domestic Art Room, Training School building, 8-9 daily. Miss Fuller.

MANUAL TRAINING

In addition to the illustrative work in manual training, which will be carried on in the grades of the Training School, a course of instruction will be offered to a limited number of students in the Summer School. Special attention will be given to the various forms of hand work which are now taking such a prominent place in our primary and intermediate grades. The course will include work in clay modeling, paper cutting, weaving, cardboard construction, raffia, basketry, and Venetian bent iron.

No credit will be given in this course except to those who continue to specialize in manual training.

Manual Training Room, Training School Building, 8-9 and 11-12 daily. Miss Boardman.

Names of Students

High School Department

NINTH AND TENTH GRADES.

Albertson, Bessie ..... Ypsilanti
Aldrich, Dean ..... Ypsilanti
Anderson, Junetta ..... Tustin
Barry, Ethel ..... Coat's Grove
Barton, Mary ..... Milan
Benjamin, Lysle ..... Denton
Bullock, Emma J. ..... Salem
Colby, Ruby May ..... Belleville
Cole, Genevieve ..... Ypsilanti
Comer, Isabelle ..... Ypsilanti
Cooper, Hazel ..... Ypsilanti
Crane, George A. ..... Ypsilanti
Cross, Ralph ..... Ypsilanti
Donahue, Rose ..... Ypsilanti
Dunn, Mildred ..... Carleton
Gittins, Jennie ..... Belleville
Head, Frank ..... Milan
Hertler, Lillian ..... Saline
Hindelang, Odo ..... Ypsilanti
Hitchingham, Adelaide ..... Whittaker
Hitchingham, Mamie ..... Milan
Huegel, Dorothy ..... Ypsilanti
Huston, Ethe ..... Ypsilanti
Huston, Sadie ..... Ypsilanti
Jacot, Coralyn ..... Ypsilanti
Lathers, Arthur ..... Inkster
Lathers, Edith ..... Inkster
Lautenslager, Lynn ..... Ypsilanti
Lawrence, Lester ..... Ypsilanti
McRoberts, Margaret ..... Ypsilanti

[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Romulus
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Denton
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Belleville
[illegible] ..... Ypsilanti
[illegible] ..... Jackson
[illegible] ..... Troy, Kansas
[illegible] ..... Ypsilanti
[illegible] ..... Belleville
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti
[illegible] ..... Ypsilanti

PREPARATORY

Ayres, [illegible] M. ..... Detroit
[illegible] ..... Topinabee
[illegible] ..... Saranac
[illegible] ..... Milan
[illegible] ..... Belleville
Burch, Orford D. ..... Ypsilanti
Hurlan, Elijah J. ..... Auburn
[illegible] ..... Milan
[illegible] ..... Wayne
[illegible] ..... Ypsilanti
[illegible] ..... Dexter

McNair, Mabie ..... Flint
Moorhouse, Lily ..... Edenville
Murray, Julia ..... Flint
O'Brien, May ..... Milan
Oelke, Marie ..... Willis
Rector, Ray Edward ..... Bodus
Ryan, Katie M ..... Ypsilanti
Sheridan, Clara ..... Flushing
Smith, John H ..... Belleville
Stone, Effie M ..... Sandusky
Stowe, Cleila R ..... Webberville
Weaver, Nina ..... Ann Arbor
Wilson, Bertha ..... Chelsea
Wilson, Helen A ..... Chelsea

FIRST YEAR.

Bacon, Ruth ..... Detroit
Bennett, Blanche ..... Wixom
Bloom, Mollie ..... St. Ignace
Brundage, Perry ..... Belleville
Bullock, Emma ..... Salem
Burrell, Mabel ..... Denton
Cawker, Minnie ..... Detroit
Clumpner, Guy C. ..... Kenton
Coman, Ray ..... Waldron
Conklin, Frances ..... Oak Grove
Cutler, Leslie ..... Reed City
Davis, Clarke E. ..... Burnips Corners
DeRoche, Bertha ..... Posen
DeRoche, Bessie ..... Posen
Matthews, Ina Marie ..... Ypsilanti
Maze, Eva ..... Frontier
Nolan, Nellie ..... Mio
Orr, Winnifed ..... Manistique
Palmer, Eva N. ..... Maybee
Reed, Charlotte E. ..... Milford
Reed, Hazel ..... Ypsilanti
Ricard, Ethel A. ..... Jackson
Robbe, George ..... French Landing
Slater, Albert M. ..... Pontiac
Smallegan, Dora ..... Central Lake
Spitzer, Ethel ..... Grafton, Ohio

Spitzer, Flora ..... Grafton, Ohio
Thorne, Grace J. ..... Fenville

SECOND YEAR.

Adams, Minnie C. ..... New Boston
Bennett, Susie May ..... Wixom
Bond, Lettie A. ..... Ypsilanti
Brown, Violet A. ..... Jackson
Campbell, Celia ..... Troy, Ohio
Chapman, Earl A. ..... Ypsilanti
Clute, Josephine ..... Ypsilanti
Dean, Mabel ..... Quincy
DeKay, Roy S. ..... Mt. Clemens
Dicus, Florence ..... Ypsilanti
Dicus, Harriet ..... Ypsilanti
Gurtzweiler, Rose ..... Deerfield
Hinchey, Pacia ..... Pinckney
Hoare, Bertram J. ..... Fremont
Hughes, Hazel ..... Prairieville
Hunt, Suzanna E. ..... Saranac
Johnson, Nellie ..... Nunica
Johnson, Olga ..... Nunica
Lambie, Minnie Mabel ..... Ypsilanti
Lathers, Junia ..... Ypsilanti
Mowry, Etta ..... Sherwood
Newington, Nettie ..... Romulus
O'Leary, John Henry ..... Toledo, Ohio
Palmer, Zelda ..... Detroit
Peters, Winifred ..... Pinckney
Phillips, Ethel ..... Courtright
Potter, Eva ..... Thompsonville
Sackett, Wm. O. ..... Detroit
Seeley, Nellie ..... Duplain
Thompson, Evelyn E. ..... Ypsilanti
Underwood, Lesha ..... Ypsilanti
Wilson, Delia ..... Moline
Woolsey, Lula M. ..... Ypsilanti

THIRD YEAR.

Abrams, Etta ..... Brighton
Aldrich, Hugh G. ..... Howell
Alexander, Mary Loretta ..... Sandusky

Allmendinger, Fern ..... Benton Harbor
Alward, Clara ..... Camden
Angell, Rena ..... Belding
Asquith, Celia Edna ..... Memphis
Asquith, Mabel I. ..... Memphis
Ash, Nellie May ..... Three Rivers
Aslet, Eva M. ..... Elk Rapids
Atkin, Grace ..... Milford
Bailey, Mary D. ..... Constantine
Baker, Enola ..... Pontiac
Baker, Winifred ..... Petoskey
Banbery, Dorothy ..... Lake Linden
Barber, Katherine ..... Leslie
Barkume, Claire ..... Detroit
Barlow, Mildred ..... Ypsilanti
Barnes, Effie ..... Onondago
Barry, Flossie ..... Assyria
Barton, Margaret ..... Detroit
Bashford, Olive ..... Howell
Bates, Frank ..... Nettle Lake, O.
Bates, Warner ..... Nettle Lake, O.
Baty, Minnie ..... Saline
Beals, Aimee ..... Paw Paw
Beeby, Adeline ..... Sparta
Beebe, Nina ..... Ovid
Behrens, Ethel ..... Muskegon
Behrens, Marie ..... Ithaca
Bennetts, Ethel W. ..... Calumet
Benton, Sara M. ..... Great Falls, Mont.
Bergin, Frances ..... Howell
Billings, Daisy ..... Dryden
Billings, Vida ..... Dryden
Bixler, Abbie Mae ..... Mt. Gilead, O.
Boardwell, Katheryn ..... Montague
Bolt, Anje Frances ..... Grand Haven
Bond, Nellie ..... Lansing
Bonine, Clara M. ..... Vandalia
Bonine, Sadie E. ..... Vandalia
Boone, Alma ..... Troy, O.
Borland, Barbara ..... Caro
Bowen, Alice ..... Detroit
Bowerman, Lois O. ..... Lyons

Boyle, M. Ella ..... Grand Ledge
Bradford, Cora M. ..... Saginaw
Bradford, Lida ..... St. Ignace
Brennan, Catherine ..... Detroit
Briggs, Cora Belle ..... Hillsdale
Briggs, Mrs. Mary Estelle ..... Ypsilanti
Britton, Mamie A. ..... Paw Paw
Brock, Roby ..... Whitehall
Brotherton, Laura ..... Grand Rapids
Brown, Alice M. ..... Ypsilanti
Brown, Cherrie ..... Cedar Springs
Brown, Eolah M. ..... Edson
Brown, Verna ..... Belding
Brownell, Lena V. ..... McMinnville, Tenn.
Browning, Nancy M. ..... Pentwater
Bryan, Fred ..... Mt. Morris
Burch, Ray ..... Bellaire
Burke, Eva M. ..... Ypsilanti
Burkhart, Claude ..... Chelsea
Burkheiser, Elizabeth Susie ..... Ypsilanti
Burkley, Louise ..... Williamston
Burley, Mildred ..... Huntington
Burridge, Ethel ..... Benton Harbor
Burse, Gwendolyn ..... Flint
Bush, Percie ..... Gobleville
Byrne, Susan Lydia ..... Jackson
Byrum, Warren D. ..... Leslie
Caldwell, Mattie ..... Hawks
Cameron, Jessie H. ..... Coldwater
Carson, Lottie ..... Elk Rapids
Carter, Wm. T. ..... Flat Rock
Cassidy, Ellen ..... River Rouge
Cassidy, Mary ..... River Rouge
Chamberlain, Sadie B. ..... Wayland
Chambers, Florence E. ..... Lansing
Chapin, Ethel M. ..... Eden
Chapman, Hiram H. ..... Ypsilanti
Chapman, Olive ..... Rockford
Chapman, Rolland ..... Rockford
Clark, Mabel Edith ..... Ypsilanti
Clark, Irene ..... Ypsilanti
Cleary, Ida J. ..... Memphis

Clink, Ray J. ..... East Jordan
Clipfell, Belle ..... Vicksburg
Coller, Blanche M. ..... Eaton Rapids
Collins, Minnie ..... Mt. Clemens
Cook, Catherine ..... Iron Mountain
Cory, Edith M. ..... Sturgis
Cory, Grace ..... Sturgis
Craine, Ruth ..... Port Huron
Cram, Myrtle M. ..... Pontiac
Crawford, Lua A. ..... Saranac
Crittenden, Jas. C. ..... Portland
Cruson, Florence M. ..... Jackson
Culp, Merle ..... Colon
Cupples, Bessie ..... Carterville
Curry, Essie ..... Bay City
Cushman, Belle ..... Bath
Daggett, Edith E. ..... Pentwater
Damson, Emma H. ..... Holland
Davis, John D. ..... Pentwater
Dealy, Margaret ..... Yankton, S. Dak.
Deaner, Bernice ..... St. Joseph
DeLand, Elma ..... Flushing
Deming, Jean E. ..... Wayne
Dendel, Bessie ..... Wayne
DeSpelder, Ethel ..... Greenville
Dey, Ora W. ..... Fowlerville
Dickinson, Agnes ..... Benton Harbor
Dieterle, Marie ..... Saline
Dix, Agnes Elizabeth ..... Lake Linden
Dockstader, Rena ..... Ypsilanti
Dolby, Myrtle ..... Ypsilanti
Donaldson, Harriett R. ..... Montrose
D'Ooge, Ida J. ..... Ypsilanti
Drouin, Alice ..... Detroit
Duncanson, Jean ..... Harbor Beach
Dykema, Magdaline ..... Holland
Easterly, Donna Juanita ..... Oxford
Edwards, A. Ruth ..... Ypsilanti
Elliott, Gaynell ..... Bravo
Ellis, Lucy ..... Washington
Elmer, Marian M. ..... Devereaux
Ellsworth, L. Edna ..... Readmond

Engle, Earle J. ..... Tekonsha
Evans, Mary ..... Richmond
Ewald, Mamie ..... Benton Harbor
Fast, Sidnah ..... Ypsilanti
Finton, Carrie ..... Ypsilanti
Fisher, Eve B. ..... Fowlerville
Fisk, Eleanor ..... Athens
Flintoff, Theodore W. ..... Sand Lake
Flower, Vevah F. ..... Bellevue
Folyer, Clara B. ..... Yankton, S. Dak.
Foster, Roy S. ..... Parma
Fournier, Bertha ..... Fort Wayne, Ind.
Francisco, Inez A. ..... Reed City
French, Jessie ..... Bay City
French, Veva B. ..... Riley Center
Friday, Louise ..... Lenox
Fritts, Edna J. ..... Ypsilanti
Fritz, Julia ..... Dexter
Fritz, Pearl ..... Dexter
Fry, Elizabeth ..... Burr Oak
Fulford, Chas. Robt. ..... Romulus
Gage, Elinor ..... Green Oak
Garnhardt, Edna V. ..... Albion
Garrison, Lela ..... Fremont
Geer, Clara E. ..... Ypsilanti
Geer, Ethel E. ..... Ypsilanti
Geer, Florence ..... Ypsilanti
George, Anna Marion ..... Ypsilanti
Gereau, George H. ..... Quinnesec
Getty, Dolly ..... Shelby
Gibbons, Olive ..... Urbana, O.
Giles, Elsie E. ..... Rockford
Gillette, Gladys ..... Benton Harbor
Gibson, Irma E. ..... Ludington
Gleeson, Bertha ..... Milford
Goldsmith, Lois ..... Kalamazoo
Goldup, Florence ..... Homer
Grable, Ella ..... Otsego
Grable, Lilian ..... Otsego
Gray, Lottie ..... Calumet
Green, Edith M. ..... Pittsford
Greenfield, Sadie ..... Flushing

Griffith, Frances ..... Eaton
Gross, Hazel ..... Rockford
Grove, Althea ..... Ovid
Hale, Maud ..... Hesperia
Hall, Lotta E. ..... Bad Axe
Hall, Winifred L. ..... Mason
Halliday, Alice ..... Bellevue
Halliday, Inez E. ..... Clinton
Hamlin, Anna L. ..... Marshall
Hammond, Leo ..... Vermontville
Hansen, Agnes ..... Manistee
Harper, Eloise ..... Ypsilanti
Harper, E. Louise ..... Pontiac
Harrington, Irene ..... Ontonagon
Harrington, Katherine ..... Kearsarge
Harrison, Frank ..... St. Louis
Hart, Maud ..... Eaton Rapids
Hartley, Isabel ..... Lansing
Hawley, Verna Estelle ..... Chelsea
Hay, Ola ..... Wyandotte
Hazelton, Ransom ..... Washington
Herald, Wm. ..... Hubbardston
Hickman, Blanche E. ..... Ypsilanti
Higgins, Celia ..... Bellevue
Higgins, Eunice ..... Bellevue
Hill, Edna ..... Delray
Hill, Harvey ..... Reading
Hindelang, Mrs. M. ..... Ypsilanti
Hoag, Adelia ..... Springport
Hocking, Johanna ..... Leslie
Holland, Lillian M. ..... Grand Ledge
Holliday, M. Belle ..... Vassar
Hollister, Margaret ..... Battle Creek
Holmes, W. Delos ..... Vernon
Holt, Lucile ..... Bellevue
Hoolihan, Mabel ..... Toledo, O.
Hootman, Mary ..... Plainfield, O.
Hoover, Rosena ..... Ypsilanti
Hosbein, Rose B. ..... St. Joseph
Hough, Carrie ..... Almont
Hovey, Nellie ..... Reed City
Howe, Raymond ..... Battle Creek

Hubbard, Blanche ..... Downington
Hubbard, Julia ..... New Baltimore
Hughes, Pearl L. ..... Marshall
Hulett, Zella E. ..... Armada
Hull, Mabel ..... Onondaga
Hunter, Clare S. ..... Ypsilanti
Hutton, Florence E. ..... Fairgrove
Hynes, Nat ..... Stockbridge
Iles, Katheryn ..... Allen
Jackson, Beulah ..... Jackson
Jarvis, Edna ..... Plymouth
Jennings, Elsa ..... St. Joseph
Jillson, Pearl ..... Ovid
Johnson, Archie ..... Nevada, O.
Johnson, Elizabeth ..... Evart
Johnson, Irma M. ..... Great Falls, Mont.
Jones, Edna C. ..... Maple Rapids
Jones, Mrs. Maude ..... Battle Creek
Jordan, Clara R. ..... Elkhart, Ind.
Ketcham, Hazel M. ..... Grand Rapids
Kettner, Lillian ..... Grand Rapids
Kidwell, Bessie ..... Allegan
King, Mattie F. ..... Holt
Kirk, Elizabeth ..... Fair Grove
Kline, Hazel ..... Lake Linden
Kreiter, Maud E. ..... Hillsdale
Kyle, Lola Helen ..... Pontiac
Lamb, Alice ..... Hudson
Lambart, Margaret ..... Fairburg, Neb.
Lane, Raymond Earl ..... Olivet
Lathers, Henry Joseph ..... Inkster
Lathers, Maurice C. ..... Ann Arbor
Launstein, Pearl ..... Chesaning
LeBlanc, Theresa ..... Wyandotte
Leinbach, Florence ..... Centerville
Lewis, Clyde ..... Northville
Lewis, Edith ..... Oxford
Lindow, Cora E. ..... Marine City
Lindsey, Edna ..... Corunna
Livingston, Leah ..... River Rouge
Lockhart, Beatrice ..... Ypsilanti

Lovejoy, Sadie ..... Lenox
Lowe, Edward J. ..... Ypsilanti
Lundteigen, Petra ..... Union City
Lysaght, Agnes Clare ..... Grand Haven
Mapes Myrtle ..... South Haven
Marks, Nella ..... Townley
Marlin, Rose F. ..... Detroit
Marshall, Julia ..... Toledo, O.
Martin, Hazel ..... Hillsdale
Mattern, Melvin Earl ..... Fayette, O.
Matzen, Edna M. ..... Cass City
Merrill, Ashley P. ..... Algonac
Merriman, Edythe ..... Reading
Metcalf, Emma ..... Custer
Millen, Ara L. ..... Ypsilanti
Miller, Brice ..... Flushing
Miller, George B. ..... Tekonsha
Mills, Harriet ..... Ida
Mills, Ina ..... Clinton
Miner, Grace ..... Allegan
Mitchell, Goldie ..... Charlotte
Monroe, Audie M. ..... Bangor
Monroe, Inez M. ..... Detroit
Montague, Etta M. ..... Ovid
Montgomery, May ..... Hastings
Moore, Sarah L. ..... Bay City
Morris, James Leslie ..... Ypsilanti
Morrison, Gertrude ..... Holly
Mosher, Theodora ..... Armada
Mosier, Frank R. ..... Hamilton
Mott, Ethel V. ..... Mayville
Mott, Hattie ..... Mayville
Munson, Luella ..... Deerfield
Murphy, Florence ..... Tecumseh
Murray, Irene ..... Ann Arbor
McCall, Belle A. ..... River Rouge
McCormick, Ethel ..... Ovid
McDonald, Kathryn ..... Tawas City
MacDonald, Hazel ..... Flint
McDonald, Rose ..... Tawas Ctiy
McFarland, Gladys ..... Scottville

McFetridge, Kate ..... Ypsilanti
McGreevy, Genevieve M..... Detroit
McGregor, Burwell..... Ypsilanti
McGregor, Claud A..... Ypsilanti
McGuffin, Sadie ..... Memphis
McNair, Lida ..... Flint
McNeil, Marion ..... Bay City
Nelson, Hilda ..... Calumet
Newell, Mabelle ..... Ypsilanti
Nicolson, Ethel ..... Mariette
Nieman, Hazel ..... River Rouge
Nower, Hazel ..... Lawrence
Nye, Mabel ..... St. Joseph
Nyland, Mary Martha..... Grand Haven
Oakes, Mary E..... St. Clair
O'Brien, Marjorie ..... Grand Rapids
Olds, William E..... Flint
Olson, Mabel ..... Muskegon
Ormond, Anna ..... Milford
Page, Josie E..... Grand Rapids
Paisley, Georgia ..... Ypsilanti
Palmer, Louisa F..... Brooklyn
Palmer, Mae A..... Houghton
Parker, Fern ..... Eaton Rapids
Parks, Agnes P..... Elk Rapids
Paull, Olive ..... South Haven
Peck, Catherine ..... Mt. Clemens
Peck, Pearl Isabel..... Ada
Pell, Hazel ..... Howell
Penoyer, Nellie ..... Bangor
Perrin, Elizabeth ..... Grand Rapids
Perrine, Frank J..... Rives Junction
Perrine, Mary ..... Rives Junction
Perry, Vena Belle..... Springport
Perso, Leone ..... Hubbell
Perso, Matilda ..... Hubbell
Peters, Edna B..... Manistique
Pfaff, Myrtle ..... Bad Axe
Phelps, Pearl ..... Bay City
Phillips, Affa Mae..... Armada
Phillips, Donna ..... Ypsilanti

Phillips, Sarah ..... Armada
Pierce, Edith C..... Flint
Pinkham, Mary Anna..... Ionia
Polk, Mamie ..... River Rouge
Poole, Marion Alberta..... Detroit
Prentice, Helen Mae..... Pontiac
Preston, Olive ..... Grass Lake
Price, Lulu H..... Almont
Prine, Edna ..... Springport
Purdy, Grace A..... Fairgrove
Purdy, Retta ..... Caro
Ramsdell, Floy D..... Alto
Ratz, Mamie ..... Brighton
Reber, Dorcas ..... Fremont
Rector, Lillian ..... Ionia
Reed, Anna ..... Erie, Pa.
Reed, Ethel ..... Durand
Reid, Emma ..... Ann Arbor
Reiser, Florence I..... Cadillac
Rexford, Blanche H..... Ypsilanti
Reynolds, Leona Mae..... Hancock
Rinsey, Nellie ..... Ann Arbor
Risto, Estelle ..... Eaton Rapids
Roberts, Ola ..... Ypsilanti
Rogers, Anna L..... Evart
Rorison, Irene ..... Evart
Royston, Anna ..... Fremont
Royston, Magggie ..... Fremont
Ruehs, Emma J..... Caledonia
Rutherford, Bertha A..... Milford
Ryan, Gertrude ..... Hastings
Sammons, Florence ..... Leslie
Sanders, A. J..... East Gilead
Schoenfeld, Viola A..... Detroit
Scollen, Margaret ..... Fowlerville
Scott, Edith ..... Northville
Scott, Erman ..... Ypsilanti
Scott, Maude Effie ..... Grand Haven
Seaver, Jay John..... Ypsilanti
Selkirk, Mabel ..... Reed City
Sellen, Ora ..... Springport

Shannon, Nina ..... W. Bay City
Shaver, Della G..... East Tawas
Shaw, Olive E..... Ludington
Shepherd, Ethel ..... Cheboygan
Shepherst, Helen Cary ..... Toledo, O.
Shewcraft, Clara B..... Detroit
Shore, Myrtle Mae..... Evart
Signs, Charlie C..... Saranac
Simons, Ida Maud..... Calumet
Simpson, Bertha ..... Ypsilanti
Skoglund, Emma C. ..... Kenton
Smith, Edith ..... Union City
Smith, Edna B. ..... St. Joseph
Smith, Florence M..... Denton
Smith, Gertrude Walker ..... Detroit
Smith Harold, J..... Deerfield
Smith, Helen E..... Wellsville, O.
Smith, Mary H..... Troy, O.
Smith, May K..... Monroe
Smith, Ruth M..... Albion, N. Y.
Snyder, Ethel ..... Battle Creek
Snyder, Hazel L..... Three Rivers
Sober, Ethel ..... Alma
Southworth, Alice ..... Quincy
Spackman, Mae ..... Shelby
Spaulding, Judith ..... Bellevue
Spinks, Grace ..... Marine City
Stacey, Clara ..... Pontiac
Stapleton, Anna ..... Ovid
Steeds, Ivah ..... Owosso
Steimle, Edward M..... Atlantic Mine
Stellwagen, Clara L..... Wayne
Stewart, Earl ..... Elba
Stewart, Irene M..... Detroit
Stewart, Nettie E..... Ypsilanti
Stone, Lula B..... Dorr
Strang, Emma ..... Eaton Rapids
Stretch, Tina ..... Benton Harbor
Sturman, Jennie ..... Battle Creek
Sullivan, Floyd ..... Williamston
Sullivan, Mary F..... Ypsilanti
Summerby, Ethel ..... Allenville

Sutherland, Mrs. Elizabeth.....Leroy
Sutherland, Hazelle .....Lansing
Swartout, Neva R.....Marshall
Sweet, Nellie .....Columbiaville
Swyny, Pauline Elizabeth.....Butte, Mont.
Symes, Sadie .....McBain
Takken, Bernice May.....Evart
Talman, Marie .....Clare
TenEyck, H E.....Milan
Terwilliger, Lillian .....Montague
Thomas, Annie F.....Lansing
Thomas, Genevieve .....Ypsilanti
Thomas, Mabel E.....Genesee, Ill.
Thompson, Alma .....New Carlisle
Totten, Maud .....Cedar Springs
Towner, Winifred .....Grand Ledge
Townsend, Clara .....Gaylord
Travis, Grace .....Belding
Travis, Nellie .....St. Johns
Trible, Susie B.....Ann Arbor
Twitchell, Jennie .....Ann Arbor
Tyler, Helen .....Flint
Updike, Audrey P.....Denver, Col.
Upham, Edward .....Flat Rock
VanDyke, Henrietta A.....Grand Haven
Van Enenaan, Alice .....Zeeland
VanOmmeren, Flora .....Laingsburg
Wainwright, Eva .....Ypsilanti
Walford, Bertha M.....Ypsilanti
Walker, Lillian .....Sault Ste. Marie
Walsh, John B.....Cedar Springs
Wamsley, Jennie R.....Cedar Springs
Ward, Geta M.....Wayland
Ward, Lina Johnson.....Saginaw
Weaver, Starlie .....Manchester
Weinberg, Gertrude .....Vicksburg
Weir, Mabel P.....Au Sable
Welch, Imogen .....Decatur
Weller, Bertha A.....Rockford
Westcott, Leo E.....Hartford
West, Clarence J.....Franklin
Weston, Lynn Edwin.....Marlette

Westphal, Louise ..... W. Bay City
Wetmore, Georgie ..... Holland
Wheeler, Mrs. Gertrude ..... Ypsilanti
Whims, George J. ..... Orion
Whitaker, Florence E. ..... Middleburg, N. Y.
White, Anna L. ..... Detroit
White, Callie ..... Clio
White Elizabeth Pearl ..... Ypsilanti
White, Fern ..... Ypsilanti
White, Marian Frances ..... Ypsilanti
Whitney, Grace Elma ..... Flint
Wilhelm, Lillian ..... Traverse City
Wilhelm, Mabel ..... Traverse City
Williams, Anna ..... Delray
Williams, Winifred ..... Plymouth
Wilson, Dwight ..... Ypsilanti
Wilson, Mary M. ..... Detroit
Wilson, Minnie J. ..... Wausau, Wis.
Wilson, Sarah Winnifred ..... Tecumseh
Wilton, Anna ..... Flint
Winchester, Agnes ..... Ft. Smith, Ark.
Winegar, Jessie ..... Charlotte
Wirth, Clista ..... Ypsilanti
Woods, Louise ..... Ravenna, O.
Woodman, Cora ..... Paw Paw
Woodworth, Helen ..... Ovid
Worden, Irma L. ..... Harbor Beach
Wright, Beulah ..... Ft. Smith, Ark.
Yerrington, Maud A. ..... Dorr Center
Yorton, Melvia ..... Ann Arbor
Youngs, Clara ..... Jackson
Zimmerman, Mabel ..... Owosso

FOURTH YEAR

Abrams, Mabel ..... Brighton
Akey, Madge ..... Colon
Andrews, Louise A. ..... Paw Paw
Arnot, Cora ..... Mt. Clemens
Atkin, Bertha L. ..... Petoskey
Atkinson, F. H. ..... Reese
Aumert, Louise ..... Grand Rapids

Babcock, Harold ..... Sandusky
Ballard, Amy ..... Cedar Springs
Ballard, Bessie ..... Cedar Springs
Bammel, Romelda ..... Bay City
Banghart, Carroll F..... Mayville
Bannen, R. A..... Ypsilanti
Barmby, Eleanor ..... Mt. Clemens
Barnard, Amy L..... Durand
Bartlett, Mary E..... Harbor Beach
Bebeau, Irene ..... Rockland
Birdsall, Emma P..... Saline
Blossom, Edna G..... Cedar Springs
Borgmeier, Lena ..... Petersburg
Borgmeier, Mary ..... Petersburg
Bonner, Blanche E. M..... Newaygo
Bowen, Cora L..... Ypsilanti
Brady, Anna ..... Ypsilanti
Braley, William N..... Ypsilanti
Britton, Anna E..... Newaygo
Broesamle, Anna ..... Ypsilanti
Brown, C. F..... Ionia
Brown, Celia ..... Plymouth
Brown, Guy C..... Clarkston
Brown, Leroy N..... Clarkston
Bryan, Harry W..... Mt. Morris
Bullis, Helen Pearl..... Maple Rapids
Burke, Nettie ..... Shelby
Burton, Jennie L..... Benton Harbor
Bush, Ila..... Gobleville
Butterfield, Nona ..... Detour
Cameron, Maud ..... Ypsilanti
Carpenter, Grace ..... Orion
Carroll, Jett ..... Bay City
Chandler, Luella B..... Ann Arbor
Chapel, Helen ..... Parma
Chapin, Alice C..... Eden
Childs, Emma ..... Ypsilanti
Childs, Frances G. ..... Hudson
Clark, Helen ..... Lansing
Clark, Mabel Leone..... Denton
Clem, Emerson S..... St. Paris, O.
Clement, Nellie ..... Coldwater

Colby, Charles C.....Armada
Collins, Agnes Imogene.....Toledo, O.
Cole, Frances Amy.....Ypsilanti
Collins, M. B.....Ypsilanti
Cook, Amelia .....Edmore
Coon, Alonzo .....Dearborn
Corbett, Milred .....North Adams
Corbin, Florence .....Ashtabula, O.
Cornish, Arvilla .....Durand
Cornish, Mildred.....Lawton
Cottrell, Grace ....Detroit
Cox, Mabel L.....Ypsilanti
Crane, Caroline .....Ypsilanti
Crane, Mabel A. .....Hillsdale
Cranley, Honora .....Scottville
Crawford, Irene .....Ypsilanti
Crego, Gayle L. .....Brooklyn
Cronin, Elizabeth .....Blaine
Crosby, Viva .....South Lyon
Cross, Arthur E. .....Calumet
Crossman, Clara .....Camargo, Ill.
Culbert, Veva .....Hanover
Culver Sheldon .....Milan
Currie, Essie M. .....Richmond
Curtis, Mary Frances .....Dundee
Cutler, Cassie B. .....Saranac
Davis, I. W. .....Fowlerville
Davis, Wm. Walter .....Muskegon
Dean, Lulu .....Ypsilanti
Dean, Winifred S. .....Saginaw, W. S.
Dennis, Venola .....Ann Arbor
Devin, Esther .....Buchanan
DeVries, Mrs. Florence .....Manton
Dietrich, Nella E. .....Laingsburg
Dunbar, Ruth .....Grand Rapids
Dunham, Sophie .....Alma
Easton, Verna .....Dexter
Eddy, Celestia .....Ypsilanti
Eddy, Elsie L. .....Plymouth
Egeler, Mabel .....Wayne
Eggert, Frederika .....Holland
Ells, Zelma .....Saginaw

Fair, Ethel D.....Ypsilanti
Faulkner, Winifred .....Grand Rapids
Felton, Florence .....Dorr
Ferguson, Irene .....Almont
Ferguson, W. A.....Newton Falls, O.
Filley, Edna .....Ashton
Fish, Zayda .....Constantine
Fisher, Alice C.....Ypsilanti
Fisher, Merritt .....Sand Hill
Fitts, Maisie .....Evart
Flink, Edith .....Bear Lake
Foster, Lute E. .....Tekonsha
Francisco, Orra .....Reed City
Fraser, Nana .....Medina
French, Anna L.....Kalamazoo
Fuller, Cecile .....Eaton Rapids
Gabriel, Edith .....Owosso
Gabriel, Ina .....Owosso
Gary, Lillian .....Ypsilanti
Gibbons, Winifred .....Urbana, O.
Gilman, Elmer S.....Eaton Rapids
Glass, Claribel E.....Denton
Godard, Sadie .....Imlay City
Godfrey, Edith A.....Jonesville
Goodhew, Lily E.....Ann Arbor
Grant, Eva Agnes.....Ypsilanti
Green, Carlton W.....Marcellus
Greer, Ermah .....Northville
Grose, H. D.....Ann Arbor
Hagenbush, Rose .....Three Rivers
Hall, Carrie A.....Ludington
Hall, Lelia .....Chesaning
Hale, Della E.....Springport
Hale, Emily Swift.....Detroit
Handy, G. C.....Owosso
Harding, Fanny .....Martin
Harley, Dora .....Ludington
Harmon, Mary .....Birmingham
Harrington, Lena M.....Olivet
Hart, Mabel .....South Haven
Harten, Anna .....West Bay City

Hartwell, Mary ..... Charlotte
Harry, Jessie ..... Hubbell
Head, Roy S. ..... Milan
Heald, Marie ..... Hartford
Heilner, Florence ..... Howard City
Heisner, Gertrude ..... Bay City
Henry, Ethel ..... Lexington
Herington, Marthe Lela ..... Cadillac
Herr, Lila ..... Benton Harbor
Hess, Eloise ..... Dundee
Hetcheler, Alma ..... Howell
Hicks, Bessie ..... Allegan
Hinkle, Isabel ..... Hillsdale
Hinkson, Bertha ..... Detroit
Hoag, Adelia ..... Springport
Holcomb, Edith ..... Traverse City
Holmes, Emma ..... Ypsilanti
Hopphan, Margaret ..... Lansing
Horen, Leslie E. ..... Ypsilanti
Houle, Anna ..... Rockland
Howard, Alta ..... Concord
Howard, Charlotte M. ..... Jackson
Howe, Alice A. ..... Howell
Hoyle, Edith L. ..... Cedar Springs
Hubbell, Bessie ..... Ypsilanti
Hughes, Sarah L. ..... Northville
Hull, Cora M ..... Saline
Hunter, Frances L. ..... Adrian
Hurlburt, Pearl E. ..... Tawas City
Hutson, Bertha ..... Ypsilanti
Huyck, Josephine ..... Clio
Jackson, Edna ..... Davisburg
Jackson, Myra ..... Ovid
Jennings, Sarah ..... Eaton Rapids
Johnson, Carl V. ..... Vandalia
Jones, Adaline ..... Dertoit
Jones, Elsie B. ..... Negaunee
Jones, Lucy C. ..... Andover, O.
Joy, May Evans ..... Millington
Justema, Kathryn ..... Grand Haven
Kelley, Genevieve ..... Bay City

Kennedy, Claribel L.....Lansing
Kenyon, Merle .....Tecumseh
Kenzler, Alice R.....Saginaw
Kern, Mrs. Mattie .....Ypsilanti
Killen, Marie E.....Romulus
King, Ira F.....Ypsilanti
Kircher, Irving .....Webster, N. Y.
Kniffen, Claude L.....Britton
Knight, Belle .....Blissfield
Knoll, Jessie .....Dundee
Laffrey, Belva .....Marine City
Laing, Lottie .....Ortonville
Lake, James G.....Sault Ste. Marie
Lamb, Lottie L.....Fenton
Langdon, John W.....Allenville
Lathers, Henry Joseph.....Inkster
Lawrence, Lila .....Lowell
LeClerc, Ida E.....St. Ignace
Ledinsky, Blanche A.....Bucyrus, O.
Lee, Donna .....Elsie
Leeman, Mary V.....Chelsea
LeSage, Irene .....Butte, Mont.
Lewis, Katherine .....Lowell
Lewis, W. Glen .....Butternut
Lich, Alta .....Big Rapids
Lilley, Maude .....Belleville
Long, Elsie Almayda .....Coldwater
Long, Leo F.....Tekonsha
Long, Mabel E.....Dearborn
Look, Florence .....Detroit
Looker, Nellie .....Ann Arbor
Loomis, Agnes Taylor.....Ypsilanti
Lowe, Leila .....Adrian
Lownsbury, Mabel C.....Ypsilanti
Lusby, Viola .....Ann Arbor
Lustfield, Charlotte .....Crystal Falls
Luten, Alice J.....Grand Rapids
Lux, L. Marguerite .....Mears
Mallison, Julia Gray .....Hesperia
Mann, Lulu .....Williamston
Mann, Ruth .....Belding

Mattison, Jennie L. ..... Dexter
Maxfield, Maud ..... Allegan
Meyers, Elsie ..... Three Rivers
Miller, Ella ..... Detroit
Miller, M. Louise ..... Eaton Rapids
Misner, Chas. E. ..... Otisville
Montgomery, Eva R. ..... Ionia
Morrison, Belle ..... DeWitt
Mowers, M. Pearl ..... Portland
Mulder, Ella ..... Spring Lake
Mullen, Frances ..... Mass City
Murphy, Aurelia L. ..... Negaunee
Munroe, Bessie ..... Portland
McAuliffe, Agnes ..... Negaunee
McBain, J. Ford ..... Delton
McColl, Maud ..... Escanaba
McDonald, Jessie ..... Marshall
McDonald, Margaret ..... AuSable
McGregor, Alice ..... Ypsilanti
McLaren, Susie ..... Port Huron
McMillen, Floy ..... Ypsilanti
McMillen, Mabel ..... Howard City
McNamara, Mae ..... St. Ignace
Nackerman, Mary J. ..... Elk Rapids
Nelson, Elsie ..... Ypsilanti
Newcomer, Mary Belle ..... Memphis
Newkirk, Fern E. ..... Chicago
Nicholls, Carrie H. ..... Lake Linden
Nicholls, Zoa ..... Saline
O'Connor, Marguerite ..... Lapeer
O'Dell, Edna Jessie ..... Port Huron
Olds, Nina ..... Ypsilanti
O'Neill, Julia ..... Hubbardston
Orr, Lulu ..... North Branch
Orr, Mildred ..... North Branch
Osborne, Ina B. ..... Warren
O'Toole, Elizabeth ..... Bellevue
Owen, Bernice ..... Orion
Owen, Mabel ..... Orion
Park, Bessie L. ..... Kalamazoo
Parker, Mary ..... Traverse City

Parmalee,, Elizabeth ..... Morrice
Payne, Cynthia E. ..... Owosso
Peake, Ethel E. ..... Portland
Peake, Ora B. ..... Portland
Peet, Max M. ..... Iosco
Pettitt, Anna ..... Benzonia
Phillips, Athelia ..... Plainwell
Phillips, Clara A. ..... Bangor
Pittinger, Benjamin ..... Shelby
Potter, Jessie ..... Thompsonville
Prideau, Della ..... Lake Linden
Prine, Howard C. ..... Springport
Purdy, Lulu D. ..... Harbor Beach
Ray, Leah Anna ..... Buchanan
Reynier, Eva H. ..... Grand Rapids
Reynolds, Ione ..... Paw Paw
Riddle, Carrie M. ..... Plymouth
Rivard, Dorothy ..... River Rouge
Roehm, Cora ..... Ypsilanti
Rorabeck, Lovisa ..... Eaton Rapids
Ross, Kate E. ..... Sault Ste. Marie
Ross, LaVern ..... Ypsilanti
Rutson, Fay ..... Detroit
Ryerson, Grace L. ..... Holton
Sayles, Ida G. ..... Ypsilanti
Schaffer, Bertha ..... Ann Arbor
Schell, H. G. ..... Oxford
Scoutten, Margaret ..... Laingsburg
Sheldon, Carrie ..... Quincy
Shiffler, Orpha ..... Frontier
Smallidge, Clara ..... Grass Lake
Smith, A. Ezoa ..... Tawas City
Smith, Ethel ..... Charlevoix
Smith, Genevieve, ... Lansing
Smith, Guy C. ..... Tipton
Smith, Lillian B. ..... Berville
Smith, Mabel M. ..... Ypsilanti
Smith, Nina G. ..... Big Rapids
Smith, Susan R ..... Denton
Smith, W. B. ..... Ubley
Snyder, Horace W. ..... Albion

Spillane, Cassie M.....Durand
Sprague, Roy E.....Farmington
Sprout, Beatrice E.....Marthaville, La.
Staley, Bertha .....Ypsilanti
Stanley ,Winfield .....Hillsdale
Stark, Eliza Page .....Ann Arbor
Steere, Elizabeth .....Ann Arbor
Stephens, Bess .....Stockbridge
Stephens, Leo .....Milford
Stephenson, Maude .....Bronson
Stewart, Blanche .....Middleville
Sturm, Julia .....Clinton
Swain, Jessie C.....Ypsilanti
Sweet, Elizabeth .....Ypsilanti
Taggart, Ella Bertha .....Burr Oak
Talsey, Connie .....Rapid City
Taylor, Estelle .....Saginaw
Terpenning, Eliza .....Brown City
Terry, Laura .....Ortonville
Theel, Sophie .....Detroit
Thomas, May J.....Grand Rapids
Thompson, Dorothy .....Grand Rapids
Titsworth, Mabel .....Plymouth
Townley, Grace .....Ann Arbor
Travis, Edith .....Elsie
Tripp, Nettie C.....Ludington
Turner, Bertha Viola .....Petoskey
Turner, G. Ruth.....Jackson
Uren, Beatrice E.....Norway
Uren, E. Maude .....Norway
VanAuken, Bess .....Hartford
Verrier, Rachel .....Rockland
Wade, Alda M.....Green Oak
Wakefield, Ella .....Howell
Walcott, Albert .....Shelby
Walker, Charles D.....Plainfield
Wallace, Josephine .....Detroit
Wallin, Irene .....Bay City
Walrath, Henrietta .....Bay City
Walsh, Henry .....Cedar Springs
Warren, Margaret .....Calumet

Webster, Chas. A.....Metamora
Welden, Carrie M.....St. Ignace
Weller, Erma .....Rockford
Wellington, Carrie .....Springport
Wetherell, Elizabeth .....Wayne
Wheelock, Ethel .....Saranac
Whitbeck, Flora .....Plymouth
Wilcox, Cecil, ...Benton Harbor
Williams, Harold Edward .....Adrian
Willman, E. J. .....Montague
Wimple, Arizona .....Owosso
Wilson, Hattie .....Marlette
Wilson, Lulu .....Oxford
Wisner, Eber Hugh .....Clayton
Withtenbury, Ray .....Shelby
Wood, Bessie .....Charlotte
Woodward, Alban C.....Milan
Wright, Bess B.....Elk Rapids
Wright, Lora .....Grand Blanc
Wright, N. Elizabeth .....Hudson
Yates, Maude .....Washington
Zach, Mabel L.....Ypsilanti

DEGREE STUDENTS

Barlow, Edna .....Ypsilanti
Rath, Wm. H.....Monroeville
Broecker, Richard W.....Goodrich
Carpenter, Clifford D.....Bronson
Carpentetr, G. C.....Bronson
Cooley, H. C.....Ypsilanti
Deam, Effie .....Ypsilanti
Gibbs, A. Bruce .....Portland
Jensen, Frank .....Ypsilanti
Jones, Harry P.....Marcellus
King, Sarah Edith .....Lansing
Lockwood, Margaret .....Pittsford
Loomis, L. Elta .....Ypsilanti
McKay, Jean .....Ypsilanti
Miller, Clayton C.....Battle Creek
Moeller, Julius H.....Hillsdale
Morgan, George J.....Coloma
Pomeroy, Esther C.....Hilo, S. I.

Sargent, Bernice ..... Ypsilanti
Smith, Arthur L..... Reed City
Smith, Park H..... Fayette, Ohio
Steimle, Clemens P..... Atlantic Mine
Trathen, Sidney P. ..... Houghton
Travis, Martin B. ..... Clarkston
Walling, W. L..... Onaway
Wheeler, Francis J..... Ypsilanti
Wilson, Mabel K..... Ypsilanti

POST GRADUATES.

Andrews, Elsie ..... Grand Haven
Arnold, Leila B..... Plainwell
Barlow, Edna .... Ypsilanti
Bath, Wm. H..... Monroeville
Broecker, Richard W..... Goodrich
Carpenter, Clifford D..... Bronson
Carpenter, G. C..... Bronson
Childs, H. Ethel ..... Ypsilanti
Clark, Esther M..... Laingsburg
Cooley, H. C..... Ypsilanti
Davis, George Laverne ..... Ypsilanti
Deam, Effie ..... Ypsilanti
Gibbs, A. Bruce ..... Portland
Jensen, Frank ..... Ypsilanti
Jones, Harry P..... Marcellus
King, Sarah Edith ..... Lansing
Lockwood, Margaret ..... Pittsford
Loomis, L. Elta ..... Ypsilanti
McKay, Jean ..... Ypsilanti
Miller, Clayton C..... Battle Creek
Moeller, Julius H..... Hillsdale
Morgan, George J..... Coloma
Pomeroy, Esther C..... Hilo, S. I.
Ross, Lucille ..... Ypsilanti
Sargent, Bernice ..... Ypsilanti
Smith, Arthur L..... Reed City
Steimle, Clemens P..... Atlantic Mine
Trathen, Sidney P. ..... Houghton
Travis, Martin B..... Clarkston
Walling, W. L..... Onaway
Wheeler, Francis J..... Ypsilanti

Wigle, Mrs. Mary E.....Webberville
Wilson, Mabel K.....Ypsilanti

SPECIAL STUDENTS.

Anspach, Chas. Martin .....Ann Arbor
Berry, Mrs. Mernie L. .....Ypsilanti
Brock, R. W.....Muskegon
Carpenter, Mrs. Myrtle .....Bronson
Cooley, Mrs. H .C.....Ypsilanti
Cox, Mrs. Louise .....Ypsilanti
Dixon, Walter E.....Ypsilanti
Gunning, Marcella .....Chicago
Howard, May .....Florence, Montana
Loomis, C. M.....Ypsilanti
Marquezado, John .....Iquique, Chile
Miller, Mrs. C. C.....Battle Creek
Mosher, Margery .....Manistique
Scott, Mena .....Ypsilanti
Shipman, George .....Fayette, Ohio
Waters, Sarah E.....Ypsilanti
Worden, Vera B.....Ypsilanti
Zwergel, Mary C.....Ypsilanti

CONSERVATORY STUDENTS

Abbott, Blanche	Vocal and Piano	Ann Arbor
Abbott, Grace H.	Organ	Ovid
Abrams, Jessie	Vocal and Piano	Brighton
Akey, Bernice	Music and Drawing	Colon
Alexander, Bessie	Vocal	Ypsilanti
Alexander, Marjorie	Public School	Cleveland, Ohio
Allen, Fay	Vocal	Ypsilanti
Allen Lulu Margaret	Piano	Milan
Alward, Clara	Piano	Camden
Ayers, Orpha	Piano	Dearborn
Bacon, Grace	Vocal	Boston, Mass.
Bammel, Romeida	Violin	Bay City
Barber, Katherine	Vocal	Leslie
Barnes, Lamberta	Piano	Geddes
Barnes, Robert	Piano	Geddes
Barton, Grace E.	Piano	Pinckney
Bechtel, Ethel	Music and Drawing	Manton
Bernhard, Mabel	Vocal	Barnesville, Ohio

Bird, Eleanor	Vocal and Piano	Clarkston
Bissel, Maud	Vocal	Ann Arbor
Bliss, Iva	Vocal	Ypsilanti
Boomer, Lydia	Piano	Manchester
Bovee, Helen	Music and Drawing	Ypsilanti
Bowers, Iva	Music and Drawing	Lima, Ohio
Boylan, B. L.	Vocal	Mason
Brennen, Katherine	Vocal	
Braisted, Lou	Piano	Ypsilanti
Braley, Wm. N.	Violin	Ypsilanti
Breining, Jessie	Piano	Belleville
Brooks, Mabel	Piano	Ypsilanti
Brown, Genevieve	Piano	Ypsilanti
Brown, Lucile E.	Vocal and Piano	Ypsilanti
Bruce, Frances	Piano	Melvin
Burkle, Eugenia	Piano	Woodland
Burr, Cora C.	Vocal	Ypsilanti
Calahan, Elzina	Music and Drawing	Sturgis
Campbell, Gordon	Piano	Dowagiac
Carpenter, Fanny	Vocal and Piano	Ypsilanti
Carven, Bessie E.	Piano	Saline
Chapman, Ethel	Music and Drawing	Walled Lake
Clark, Ethel M.	Vocal	Ypsilanti
Cline, Esther	Piano	Ypsilanti
Coggeshall, Mina B.	Vocal	Zeeland
Colby, Chas. C.	Vocal	Armada
Colline, Arabella	Organ	Blissfield
Cook, Milton	Vocal	Ypsilanti
Cordary, Mary	Vocal	Ypsilanti
Cork, Frances	Vocal	Melvin
Counsell, Edna	Music and Drawing	Howell
Coryell, Edna	Piano	Ypsilanti
Crane, Florence A.	Vocal	Ypsilanti
Crotty, Della	Vocal	Dollar Bay
Daggett, Edith	Piano	Pentwater
Daley, Fred	Vocal	Ann Arbor
DaRatt, Gracia	Music and Drawing	Ypsilanti
Davis, Bertha	Public School Music	Galeton, Pa.
Davis, Maude C.	Vocal	Ypsilanti
De Garmo, Irene	Piano	Highland
De Green, A. L.	Public School Music	Addison

Denton, D. S.	Vocal	Gregory
DePew, Inez	Piano	Ypsilanti
De Spelder, Bertha	Vocal	Greenville
Deubel, Dee	Piano	Ypsilanti
Dixon, Mrs. Walter	Public School	Ypsilanti
Donnahoe, Agnes	Piano	Ishpeming
Downing, Adelle	Vocal and Piano	Manistee
Driesbach, Florine	Violin	White Pigeon
Engle, Earle	Vocal	Tekonsha
Ellsworth, George	Vocal	Ypsilanti
Emmens, Ruth	Piano	Ypsilanti
Etheridge, Mabel	Vocal	Quincy
Fallas, Isabel	Vocal and Piano	Grand Rapids
Farrington, Lucy	Vocal	Ypsilanti
Felton, Florence	Vocal	Dorr
Fletcher, Helen	Piano	Ypsilanti
Flint, Mrs. Jennie	Piano	Homer
Flower, Mary H.	Piano	Flat Rock
Fohey, Mary T.	Music and Drawing	Ann Arbor
Fournier, Bertha	Vocal	Fort Wayne, Ind.
Frazelle, Cora	Piano	Mason
Fuller, Kathryn	Music and Drawing	Fenton
Fulton, Minnie	Piano	Ypsilanti
Garrett, Freda	Piano	Ypsilanti
Gass, Alice Mabel	Vocal and Organ	Ypsilanti
Gillman, Anna	Piano	Ypsilanti
Gillman, Elizabeth	Piano	Ypsilanti
Gilpin, Vivian	Vocal	Grand Rapids
Gordon, Mrs. H. C.	Vocal	Ypsilanti
Gorton, Lyle	Vocal and Piano	Howell
Graves, John M.	Vocal	Ypsilanti
Gray, Mrs. Annis	Piano	Ypsilanti
Hamlin, Anna	Vocal	Marshall
Hankinson, Harry	Vocal	Ortonville
Harding, Fanny	Vocal	Manistee
Hearn, Cora M.	Vocal	Benzonia
Heiner, Florence	Vocal	Howard City
Henenden, Mrs. Edith	Special	Ypsilanti
Hetcheler, Alma	Vocal	Howell
Hill, Harvey	Vocal	Reading
Hoag, Maud	Vocal	Ypsilanti

Hobart, Lynn	Vocal	Detroit
Holmes, Burwell	Organ	Durand
Horner, Mrs. Ned	Piano	Ypsilanti
Howard, Evelyn	Piano	Florence, Montana
Howard, May	Piano	Florence, Montana
Howe, Leone	Piano	Ypsilanti
Howell, Zoa	Piano	Onaway
Hootman, Mary	Vocal	Plainfield, Ohio
Huston, Mae	Piano	Millington
Jennings, Elsa	Vocal	St. Joseph
Jones, Edith	Vocal and Piano	Ypsilanti
Kimball, Bess L.	Vocal	Clinton
Kirchhofer, Hugo	Vocal	Manchester
Kneip, Helene	Piano	Ypsilanti
Koon, Edith	Piano	Ann Arbor
Lamb, Lottie	Vocal	Fenton
Lambie, Leah	Piano	Ypsilanti
Landon, Ruth	Violin	Devereaux
Lathers, Maurice C.	Vocal	Ann Arbor
Long, Mabel E.	Vocal	Dearborn
Loomis, L. Elta	Vocal	Ypsilanti
Loranger, Violet	Organ	Ontonagon
Lowe, Hazel	Piano	Corunna
Lysaught, Agnes	Vocal	Grand Haven
Macaulay, Katherine	Vocal	Deerfield
McCarthy, Joe	Vocal	Ypsilanti
McCurdy, Ethel	Piano	Ypsilanti
McKay, Jean	Vocal	Ypsilanti
Mereness, Eugenie	Music and Drawing	Ypsilanti
Merriman, Edythe		Ypsilanti
Merrill, Edna	Piano	Millington
Metcalfe, Rebecca	Piano	Jackson
Miller, Edna	Vocal	Chicago
Miller, Elsie	Piano	Ypsilanti
Minard, Maria	Vocal	Ypsilanti
Minchin, Nydia	Public School	Evart
Monroe, Audie	Vocal	Bangor
Mosher, Catherine	Vocal	Marquette
Mosher, Margery	Music and Drawing	Manistique
Mosher, Theodora	Piano	Armada
Mott, Flossie	Public School	Mayville

Mount, Florence	Music and Drawing	Ypsilanti
Muir, Helen	Music and Drawing	Ypsilanti
Murray, Irene	Piano	St. Ignace
Murray, Julila Anna	Piano	Flint
Newkirk, Nellie E.	Vocal	Ann Arbor
Nichols, Carrie H.	Vocal	Lake Linden
Nichols, Zoe	Vocal	Saline
Nicholson, Ethel	Vocal	Marlette
Nowlin, Nina	Vocal	Ypsilanti
Oleson, Nettie Mae	Vocal	St. Joseph
ONeil, Julia	Vocal	Hubbardston
Pague, Natalie	Music and Drawing	Chicago
Palmer, Mabel	Vocal	Metamora
Palmer, Pearl	Piana	Milan
Pease, Helen	Vocal and Piano	Ypsilanti
Peet, Gertrude	Piano	Iosco
Phillips, Ruby	Violin	Ypsilanti
Phillips, Ruby	Violin	Ashtabula, Ohio
Phillips, Donna	Piano	Bellevue, Ohio
Purdy, Retta	Vocal	Caro
Randall, Myrta May	Piano	Armada
Randall, Maude	Piano	Wayne
Randall, Wanda	Piano	Wayne
Richardson, Julila M.	Music and Drawing	Hudsonville
Richardson, Laura	Piano	Greenville
Riggs, Fay	Piano	Ypsilanti
Rogers, Myrtelle	Piano	Ypsilanti
Ross, Lucile	Vocal	Ypsilanti
Roberts, Ola		Ypsilanti
Ruen, Katherine	Piano	Pinckney
Sargent, Bernice	Piano	Ypsilanti
Scott, Wanda	Music and Drawing	Ypsilanti
Sears, Ada	Piano	Elk Rapids
Seligman, Jane	Vocal	Kalamazoo
Sheldon, Pansy	Vocal	Ypsilanti
Shaner, Rosina	Piano	Ypsilanti
Shields, Katherine	Vocal	Hubbardston
Shields, Luvella	Vocal	Marlette
Showers, Frank L.	Vocal	Ypsilanti
Shutts, Genevieve	Vocal	Ypsilanti
Skinner, Sadie E.	Piano	Ortonville

Smafield, Myra	Vocal	Brown City
Smith, Arthur	Vocal	Reed City
Smith, Wm. B.	Violin	Ubly
Smith, Ruth	Piano	Dexter
Sorenson, Bertha	Vocal	Lakeview
Spalding, Laura	Vocal and Piano	Lyons
Sprague, Augusta	Mus. & Draw.	Albion, Ill.
Stellwagen, Clara	Vocal	Wayne
Stanger, Jonathan	Vocal	Ann Arbor
Stewart, Edith	Piano	Pigeon
Stoffer, Nettie	Vocal	Ottawa, Ill.
Surbrook, Edna	Piano	Ypsilanti
Thompson, Alma	Vocal	New Carlisle, O.
Thomas, Hope	Music and Drawing	Portland
Thomas, Genevieve	Vocal	Oxford
Thorburn, Dollie	Vocal and Piano	Holt
Thorn, Veva L.	Vocal	Ypsilanti
Tompsett, Ethel	Vocal	Sparta
Trabilcox, Letha A.	Piano	Ypsilanti
Trathen, Sidney P.	Vocal	St. Marie
Travis, Nellie	Piano	St. Johns
Trowbridge, Marguerite	Piano	Ypsilanti
Turner, Inez	Vocal	Armada
Van Cleve, Antoinette	Violin	Buffalo, N. Y.
Van De Walker, Hugh	Vocal	Ypsilanti
Van De Walker, Mrs. H	Vocal	Ypsilanti
Vroman, Erma J.	Vocal	Vicksburg
Wade, Pauline	Piano	Manton
Walker, M. Ethelyne	Vocal	Almont
Walker, Ila	Piano	Ypsilanti
Wall, Florence	Piano	Hubbell
Ward, Beta	Piano	Wayland
Waterman, Leone	Music and Drawing	Ypsilanti
Wheeler, Jessie	Vocal	Union City
Wheeler, Sadie	Piano	Manton
Whittelsey, Helen	Piano	Battle Creek
Wilson, Florence	Vocal	Ypsilanti
Winchester, Agnes	Vocal	Fort Smith, Ark.
Wood, Platt	Organ	Ypsilanti
Woolsey, Lulu	Piano	Ypsilanti
Woolsey, Olive	Piano	Ypsilanti

Yerrington, Maud	Vocal	Dorr Center
Youngs, Blanche	Public School	Evart
Ziegler, Ella	Piano	Ypsilanti

CONSERVATORY POST GRADUATES

Beardsley, Belle	Piano	Ypsilanti
Brown, La Verne	Piano	Byron
Christian, Lella B.	Vocal	Chesaning
Gareissen, Isabella	Piano	Ypsilanti
Garratt, La Verne	Vocal	Watervliet
George, May Olivia	Piano	Ypsilanti
Hunter, Lura	Vocal	Ypsilanti
McCormick, Grace	Vocal	Otter Lake
Seymour, Cora E.	Piano	Union City
Waters, Lucretia	Vocal	Ypsilanti
Weston, Genieve	Piano and Organ	Ypsilanti

STUDENTS ENROLLED IN SUMMER SCHOOL. 1905.

Abair, Effie M. ..... Ludington
Abbey, Hettie ..... Madison, Ohio
Abel, Gretta B. ..... Ypsilanti
Ableson, Carrie G. ..... Plymouth
Ableson, Frances ..... Plymouth
Abrams, Etta ..... Brighton
Abrams, Mabel ..... Brighton
Agnew, Floyd ..... Morenci
Akey, Bernice ..... Colon
Akey, Madge ..... Colon
Alexander, M. Loretta ..... Sandusky
Allen, Eva ..... Clinton
Allen, Jessie M. ..... Frankfort
Allen, Lottie ..... Albion
Alvord, Mrs. Walter ..... Grant
Anderson, Florence ..... Bronson
Angell, Z. Estella ..... Novi
Arney, Beulah J. ..... Ypsilanti
Aspey, Bessie L. ..... Eaton, Ind.

Atkinson, F. H. ..... Reese
Atkinson, Winifred ..... Niles
Babcock, Cecil A. ..... Port Huron
Backus, Anna ..... Dansville
Backus, Rose ..... Dansville
Bacon, Mabel ..... Chelsea
Baeheim, Christine ..... Troy, Ohio
Ballard, Melvina ..... Coopersville
Bailey, Cora C. ..... Pontiac
Bailey, Fred E. ..... Lowell
Baird, Mattie A. ..... Brown City
Baird, Nellie D. ..... Brown City
Baker, Clara A. ..... Adrian
Baker, Clara E. ..... Rockford
Baker, Irene M. ..... Alba
Bancroft, Jas. H. ..... Blissfield
Bange, Ella D. ..... Sault Ste. Marie
Bange, Vera M. ..... Sault Ste. Marie
Barber, Emma ..... Quincy
Barkume, Clare ..... Detroit
Barlow, Edna ..... Ypsilanti
Barmby, Eleanor ..... Mt. Clemens
Barnard, Flora ..... Coldwater
Barnes, Hattie ..... Grand Junction
Barrett, Grace ..... Coopersville
Barry, Earl ..... Onaway
Batchelor, Nellie ..... Marcellus
Bates, L. W. ..... Wauseon, Ohio
Bath, Wm. H. ..... Ypsilanti
Baty, Minnie ..... Saline
Baxter, Elizabeth ..... Ypsilanti
Becker, Elva ..... Berrien Center
Becker, George A. ..... Manchester
Becker, Mary ..... Germantown, Ohio
Becker, M. Marie ..... Weston
Behringer, Flora M. ..... Adrian
Bedford, Mamie ..... Holly
Bell, Eva N. ..... Detroit
Bellinger, Fred ..... Mt. Clemens
Benge, H. Lea ..... Quincy
Berger, Wm. R. ..... Marine City

Betteys, Mildred ..... Oxford
Biery, Harriet ..... Camden
Bingham, Ethel ..... Coldwater
Black, Bessie ..... Whitehall
Blaess, Matilda ..... Saline
Blair, Maude ..... Homer
Blakeslee, Pearl ..... Pontiac
Blackney, Mabel E..... Clio
Bliss, Cora M..... Ashtabula, Ohio
Bliss, Lillian ..... Crown Point, Ind.
Boardman, Mattie ..... Perry
Boice, Caroline B..... Covert
Boies, Jean ..... Wauseon, Ohio
Boies, Marie ..... Hudson
Bolender, J. W..... Plainwell
Bolton, Hattie ..... Marlette
Bonner, Blanche E..... Newaygo
Boon, Bernard ..... Quincy
Bovee, Helen ..... Ypsilanti
Bowhall, Mabel ..... Kent City
Boyd, Mabel ..... Wellsville, Ohio
Boyd, Mary ..... Wellsville, Ohio
Bradford, Donald E..... Onaway
Brady, Anna ..... Ypsilanti
Brady, Rose ..... Sault Ste. Marie
Braley, Wm. N..... Ypsilanti
Brandt, Harry ..... Hadley
Brandt, Maude ..... Hadley
Brems, Minna ..... Plymouth
Brenck, Carrie ..... Conneaut, Ohio
Brenck, Anna M..... Conneaut, Ohio
Brewer, Mrs. Lydia ..... Hancock
Bright, Alma A..... Port Hope
Britton, Anna ..... Newaygo
Brogan, Eleanor ..... Pinckney
Brough, Lettie I..... Muskegon
Brown, Alice ..... Charlotte
Brown, Amy J..... Columbus, Indiana
Brown, Charles F..... Ionia
Brown, Guy C..... Clarkston
Brown, Lora ..... Battle Creek
Brown, Lucile E..... Ypsilanti

Brown, Mabel ..... Yale
Brown, Naomi ..... Yale
Brown, Violet A..... Jackson
Browne, Ella R..... Baltimore, Md.
Browning, Bessie ..... Adamsville, Ohio
Bryan, Fred C..... Mt. Morris
Bryan, Harry ..... Mt. Morris
Bryant, Helena ..... Opechee
Bryant, Myrtis ..... Cheboygan
Buege, Athur A..... Dorr
Buell, Elna ..... Hanover
Burden, Lillis F..... Flat Rock
Burke, Alice M..... Pontiac
Burke, E. A..... New Boston
Burlingame, Augusta ..... Cadillac
Burns, Vera ..... Gaines
Burse, Goldie ..... Flint
Bush, Blanche ..... Howell
Butler, Leslie A..... Central Lake
Butler, Martha ..... Detroit
Cable, Margaret ..... Steubenville, Ohio
Cady, Alice ..... Troy, Ohio
Cagwin, Mina L..... Metamora, Ohio
Caldwell, Mattie ..... Hawks
Caldwell, Pearl ..... Constantine
Callaghan, Margaret ..... Fenton
Callaghan, Mary R..... Fenton
Camburn, Edith ..... Adrian
Cameron, Maude E..... Ypsilanti
Camp, Vera A..... Bangor
Campbell, Margaret ..... Defiance, Ohio
Campbell, Celia ..... Troy, Ohio
Carpenter, Anna ..... Blissfield
Carpenter, Arthur F..... Springport
Carpenter, Beulah ..... Metamora, Ohio
Carpenter, C. D..... Bronson
Carpenter, George Clarence ..... Bronson
Carr, Clara L..... Dundee
Carrel, Nina ..... Geneva, Ohio
Carter, Mrs. Elizabeth ..... Detroit
Carter, Carrie L..... Newago
Catherwood, Mary ..... Lafayette, Indiana

Caulfield, A. J.....Latimer, Ohio
Chaney, Mary E.....Blanchester, Ohio
Chapin, Alice .....Eden
Chapman, Irene .....Ypsilanti
Childs, A. Winifred .....Ypsilanti
Childs, Emma .....Ypsilanti
Childs, Mabel .....Fowlerville
Chisholm, Jessie G.....Montreal, Canada
Christy, Laura .....Detroit
Clapp, Susiana .....Owosso
Clark, Pearl .....Fenton
Cleary, Charles .....Ypsilanti
Cleary, Ida J.....Detroit
Cleveland, Olive L.....Shepardsville
Cocoran, Geraldine .....Shaftsburg
Colby, Nellie .....Eaton Rapids
Cole, Inez E.....Fowlerville
Cole, May .....Painesville, Ohio
Collins, Jessie A.....Blissfield
Comstock, Emilie .....Ypsilanti
Condict, Anna F.....Adrian
Coney, Charlotte .....Allegan
Conner, Florence .....Muskegon
Cook, Amelia .....Edmore
Cook, I. Milton .....Ypsilanti
Cook, Lucinda .....Baltimore, Md.
Cooley, Mrs. H. C. .....Ypsilanti
Cooley, H. C.....Ypsilanti
Cooper, Mary E.....Deford
Copp, Helen B.....Okemos
Corcoran, Edna .....Shaftsburg
Corlette, Jessie .....Cheboygan
Corner, Katherine M.....Jeddo
Cornish, Hubert R.....Saginaw
Corrazzi, Grace .....Ypsilanti
Cosley, Adelaide C.....Troy, Ohio
Covert, M. W.....Ypsilanti
Cowan, Marion .....Port Huron
Cowles, May K.....Geneva, Ohio
Cramblet, Mabel .....Muskegon Heights
Craw, Ethel .....Caro
Crawford, Irene .....Ypsilanti

Crawford, Mabel, B.....Crown Point
Crittenden, Jas. L.....Portland
Crook, Geo. R.....Speaker
Crosby, Viva .....So. Lyon
Cross, Mabel L.....Ypsilanti
Crume, L. Ethel .....Greensburg, Ind.
Culp, Gertrude .....Constantine
Cuolahan, Mary .....Jefferson, Mo.
Curtis, Mary F.....Dundee
Cutler, Emma A.....Carlisle, Pa.
Cutting, Alice .....Tecumseh
Daley, Fred.....Ann Arbor
Davidson, Anna L.....Hillsboro, Ohio
Davis, Abigail .....Rockford
Davis, Etta R.....Sunfield
Davis, Eva .....Sunfield
Davis, Ira W.....East Chicago, Ind.
Davis, M. Bertha .....Galeton, Pa.
Davison, Ethel.....Detroit
Deacon, Nellie J.....Hancock
Deal, Anna .....Owosso
Deam, Effie .....Niles
Dean, Jeanette.....Girard
Dean, Lenore .....Niles
Dean, M. Lillian .....Vassar
Dean, Mabel .....Quincy
Dean, Winifred .....Saginaw
De Boer, Charles .....Grand Haven
De Courval, Ina .....Essexville
De Greene, A. L.....Addison
De Greene, Mrs A. L.....Addison
Dehn, Anna .....Holland
Dennis, Philip E.....Reed City
De Pew, Nellie .....Pymouth
De Roche, Bertha .....Greenville
DeSpelder, Bertha.....Greenville
Devereaux, Josie .....Pinckney
Dewitt, Irene L.....Flint
Dey, Ora W.....Fowlerville
Dickinson, Mary .....Ypsilanti
Dicus, Harriet .....Ypsilanti
Dieterle, Marie .....Ypsilanti

Dietz, Leroy ..... Williamston
Dobson, Ernest ..... Parma
Dorn, Helen M..... Imlay City
Dowdy, Ella ..... Chillicothe, Ohio
Doyle, Alice C..... Grand Rapids
Dryden, Katherine ..... Adrian
Duddles, Lottie ..... Ashton
Dunbar, Calista ..... Traverse City
Dunham, Blanche ..... Ypsilanti
Durfee, E. N..... Standish
Du Vall, Neva J..... Coloma
Earls, U. S..... Solon, Ohio
Earls, Mrs. U. S..... Solon, Ohio
Ebbitt, Minnie, ... Hudson
Eddy, Hilah ..... Eagle
Egeler, Salome ..... Wayne
Eldred, Foss O..... Colon
Eldredge, Jessie A..... Adrian
Ellis, Lucy ..... Washington
Emendorfer, Eva ..... Saginaw
Ennest, Mildred ..... Applegate
Eppley, Rebecca ..... Troy, Ohio
Evans, Anna L..... Lowell
Evans, Grace M..... Rochester
Evans, Mary ..... Richmond
Failor, John W..... Jackson
Fair, Ethel ..... Ypsilanti
Fairchild, Carrie M..... Manchester
Fallas, Isabel ..... Grand Rapids
Farmer, A. E..... Pontiac
Farrand, Neva N..... Greenfield, Mo.
Fast, L. W..... Sebewaing
Fast, Sidnah ..... Chicago, Ill.
Faulkner, Alice M..... Port Huron
Favereaux, M. Laura ..... Flint
Feldner, Margaret ..... Mansfield, Ohio
Fenton, Alice ..... Arcanum, Ohio
Ferguson, Wallace A..... Newton Falls, Ohio
Fletcher, William A..... Ypsilanti
Fletcher, Rachel ..... Ypsilanti
Filiatrault, Blanche ..... Bay City
Findlay, Myrta ..... Litchfield

Finkle, Jennie ..... N. Branch
Finley, Alice ..... Detroit
Fischer, Emma ..... St. Clair
Fish, Ciella M. ..... Pinckney
Fish, Mayme ..... Pinckney
Fitzpatrick, Katherine ..... Hudson
Fogg, Mary Grace ..... Jonesville
Foght, A. Margie ..... Lake Odessa
Follwell, Harriet E. ..... Norwalk
Fortune, Grace A. ..... Jeffeson, Ohio
Foster, Josephine ..... Chelsea
Foster, Zora ..... Benton Harbor
Franks, Eva ..... Clyde, Ohio
Franks, Sadie ..... Clyde, Ohio
Fraser, Maude ..... Ypsilanti
Fraser, Nana ..... Medina
Freeland, Leila ..... Port Huron
Freeman, Lucinda ..... Ypsilanti
Freeman, Nina ..... Yale
French, Jessie ..... Bay City
Frost, Bertha E. ..... Millington
Frostic, F. Watson ..... Croswell
Fuller, Eliza ..... Milan
Fulton, Mildred ..... Alvordton, Ohio
Gabriel, Edith ..... Owosso
Gabriel, Ina ..... Owosso
Gaige, Florence ..... Jonesville
Galahan, Jane M. ..... Chelsea
Gary, Lillian ..... Manchester
Gaudy, Jessie ..... Stratford, Ont.
Gaul, Theo. J. ..... Tawas City
Gaynor, Thos. A. ..... Montague
Geer, Florence ..... Ypsilanti
Gibbs, A. B. ..... Portland
Gibson, Laura J. ..... Bellevue
Gierst, Charlotte ..... Mill Creek
Gillman, Louise J. ..... Bay City
Gilmore, R. K. ..... Hart
Gittins, Clarence E. ..... Canton
Goetz, Martha ..... Montague
Goodwin, Mary I. ..... Ashtabula, Ohio
Gosch, Carrie ..... Each Chicago, Ind.

Goss, Calista ..... Ypsilanti
Graham, Edna B..... Woodman
Grant, Eva ..... Ypsilanti
Graves, Amy E..... Palmyra
Graves, Calla A..... Palmyra
Graves, Alta E..... Palmyra
Gray, Henrietta ..... Wilmington, Del.
Gregg, Georgia ..... Cheboygan
Green, Jessie M..... Pinckney
Greenfield, Ada ..... Onaway
Greer, Minna L..... Gladwin
Griffith, Myrtie A..... Saranac
Grigsby, Zulu M. ..... Logansport, Ind.
Grimes, Gertrude ..... Eau Claire
Grosvenor, Clifford ..... Detroit
Grosvenor, Carrie ..... East Chicago, Ind.
Gurd, Edith ..... Benton Harbor
Gwinn, Vera M..... Pigeon
Hasse, Christine ..... Hammond, Ind.
Hale, Emily, Swift ..... Detroit
Hall, Frances E..... Rockwood
Hall, Ruth ..... Bay City
Hall, Stella ..... Coshocton, Ohio
Halsey, D. M. ..... White Pigeon
Hammond, C. G..... Conneaut, Ohio
Hand, Erma M..... Ypsilanti
Handy, G. C ..... Owosso
Hardy, Gladys ..... Burnips Corners
Harper, Audrid ..... Ypsilanti
Harper, Beulah ..... North Branch
Harper, Ella ..... Iron Mountain
Harper, Eloise ..... Ypsilanti
Harper, Mabel ..... North Branch
Harrington, Mattie ..... Cadillac
Harris, Joie ..... Pinckney
Harris, L. R..... Vernon
Harris, Lutie ..... Wilmington, Ohio
Harris, Mae ..... Geneva, Ohio
Harris, Wilmer C..... Ann Arbor
Harrison, Celeste ..... Monroe
Harrison, Maizie ..... St. Louis
Hart, Dora ..... Hudson

Harten, Anna ..... Bay City
Hartwell, Mary ..... Charlotte
Hatch, Mary C..... South Haven
Hathaway, Maud C..... Blissfield
Harry, Jessie V..... Hubbell
Hawks, Jessie M..... Galesburg
Hawley, Elizabeth ..... Carleton
Hawley, Mrs. R. E..... Ann Arbor
Hawley, Verna ..... Chelsea
Haynor, Mrs. E. E..... Rockford
Hayward, Cecile ..... Eaton Rapids
Hazel, Nellie ..... Brimley
Hazelton, Mabel ..... Washington
Heesen, Grace ..... Tecumseh
Heitch, Mae ..... Pontiac
Helmer, Hattie D..... Parma
Helmsteter, May ..... St. Marys, Ohio
Hennigar, Lucile ..... Oscoda
Hennigar, Archie ..... Oscoda
Henry, Ethel ..... Lexington
Henry, Gertrude J..... Wilmington, Del.
Henry, Lillian R..... Fairport, Ohio
Henzie, Catherine ..... Manchester
Herman, Alice L..... Auburn
Herman, Eliza J. ..... Auburn
Herron, Edith M..... Port Huron
Hess, Barbara ..... Elsie
Hicks, Curry, S..... Eaton Rapids
Higgins, Anna ..... Springport
Higgins, Etta E..... Jackson
Higgins, Genella..... Minden City
Higgins, Stella ..... Bellevue
Hill, Bessie ..... Coloma
Hill, Edna ..... Delray
Hindelang, Mrs. Margaret ..... Ypsilanti
Hoag, Ida Mae ..... Sandusky
Hobbs, George ..... Minden City
Holcomb, Edith ..... Traverse City
Holiday, M. Belle ..... Vassar
Holman, May ..... Rockland
Holmes, Gertrude ..... Momence
Honeyman, Mabel ..... Vandalia

Hoogenstyn, Edith ..... Holland
Hoopinganer, Nellie ..... Wapakoneta, Ohio
Hopphan, Margaret ..... Lansing
Hosner, Lena E..... Bellaire
Houghton, Alice ..... W. Bay City
Howard, Cornelia ..... Ypsilanti
Howard, M. Bertha ..... Albion
Howard, Sadie ..... Gas City, Ind.
Hubert, Grace E..... Parma
Hughes, May ..... Lansing
Hull, Blanche ..... Blissfield
Hunt, Ethel ..... Frieberger
Hunter, Caroline M..... Adrian
Hunter, Minnie ..... Ovid
Hurford, Maude ..... Coldwater
Hurst, May E..... Muncie
Hutchins, Edith ..... Coopersville
Hutson, Bertha K..... Ypsilanti
Irwin, Mary E..... Palms
Irwin, Nellie M..... Palms
James, Grace L..... Chesaning
James, Myrtle L..... Caro
Janes, Lionel Leroy ..... Coloma
Jennings, Clarence N..... Lawrence
Jennings, Sarah ..... Eaton Rapids
Jenness, Louise ..... Akron, Ohio
Jenks, Nellie ..... Ovid
Jones, Adaline ..... Detroit
Jones, Bertie ..... Newark, Ohio
Jones, Emma ..... Brant
Jones, Lucy ..... East Chicago, Ind.
Jones, Mrs. Maud ..... Ypsilanti
Johnson, Alma ..... Fowlerville
Johnson, Lillian ..... Evart
Johnson, Mae ..... Fenton
Johnson, Nettie ..... Nunica
Johnson, Olga ..... Nunica
Jordan, Chas. B..... Morrice
Jordan, Clara R..... Elkhart, Ind.
Joy, Mary E..... Millington
Jump, Josie ..... Bronson
Kaiser, Minnie ..... Bellevue, Ohio

Kauffman, Jessie ..... Springfield, Ohio
Kearney, Nina B..... Coopersville
Keating, Etta L..... Cass City
Keith, V. Elizabeth ..... Toledo, Ohio
Kelley, Ella ..... Jonesville
Kellie, Mae ..... Monroe
Kelsey, Vena ..... Ypsilanti
Kelsey, Catherine ..... Ypsilanti
Kemler, Florence ..... Eaton Rapids
Kent, Minnie G..... Toledo, Ohio
Kenzler, Alice R..... Saginaw
Keyes, Lillian M..... Grand Rapids
Keys, Alvin ..... Mariette
Kidwell, Bessie ..... Allegan
Kilcawley, Helen A..... Painesville, Ohio
Kilcawley, Joanna ..... Painesville, Ohio
Killen, Marie E..... Wayne
Kilmer, A. E..... Reed City
King, I. F..... Ypsilanti
King, S. Edith ..... Lansing
King, Viola ..... Eau Clair
Kishpaugh, Genevieve ..... Hanover
Klugh, Ethel L..... Detroit
Knapp, Edna ..... Quincy
Kniffen, Earl R..... Britton
Knight, Belle ..... Blissfield
Kohn, Magaret ..... Belding
Koon, Margraet R..... Ypsilanti
Krause, Pauline C..... Ann Arbor
Krebs, Jessie ..... Charlotte
Kreiter, Maude E..... Hillsdale
Kuemmerle, Pauline ..... Grand Rapids
Kysor, Dana ..... Kalamazoo
La Chappelle, Edith ..... Harrisville
La Clerc, Mary ..... Sand Lake
La Flamboy, Leah ..... Morrice
Lake, Jas. G..... Sault Ste. Marie
Lamb, Lottie, ... Fenton
Lang, Agnes ..... Davison
Langley, Estelle M..... Baltimore, Md.
Latkin, Lena ..... Little Rock, Ark.
Lavey, Laura ..... Pinckney

Lau, Anna M.....Denton
Le Furge, C. E.....Ypsilanti
Leighman, Birchard .....Phoenix
Leighton, Herbert J.....Bear Lake
Leland, Bernice .....Fenton
Leng, J. H.....Wayne
Lennox, Abbie L.....Millington
Lent, Mary .....Plymouth, Ind.
Lent, P. H. C.....Middleton
Lentz, Gertrude .....Applegate
Lewis, Clyde .....Northville
Lewis, Glen .....Butternut
Libhart, Zula .....Leonidas
Lidell, Alma .....Big Rapids
Lillie, Madge M.....Shelby
Lilley, Maude .....Wayne
Lilley, Louise M.....Trenton
Lipsey, Alicene .....Grand Ledge
Lockhart, Alma .....Ypsilanti
Lockhart, Beatrice .....Ypsilanti
Lockwood, E. Mildred.....Vassar
Lockwood, Margaret.....Pittsford
Loew, Flossie .....Burnips Corners
Lockwood, Nellie M.....Pittsford
Long, Elsie .....Coldwater
Loomis, L. Elta .....Ypsilanti
Loue, Jesse .....Swartz Creek
Love, F. W.....Griffith, Ind.
Luten, Alice J.....Grand Rapids
Luther, Mrs. J. A.....Hart
Lyon, Jessie .....Portland
Magary, Alice .....Richmond
Manderville, Rowena .....Hart
Marshall, Mae E.....South Lyon
Martin, Emma E.....Portland
Martin, Hazel H.....Hillsdale
Mason, Anna Hirth .....Toledo, Ohio
Mason, Pearl .....Kendallville, Ind.
Matlehner, Edith .....Wapokenota, Ohio
Matlock, Ernestine .....Greenville
Mattison, Jennie L.....Dexter
Matzen, Edna M.....Cass City

Mayberry, Grace E.....Conneaut, Ohio
Maynard, Edna G.....Crown Point, Ind.
McAllister, Jane .....Marlette
McAlpine, Donald, C.....Brooklyn
McArthur, Martha .....Cass City
McBean, Ione .....Addison
McCallum, Claud .....Wilmont
McCallum, Mabel .....Oak Grove
McCaren, Grace .....Lexington
McCarthy, S. Eleanor .....Saginaw
McClure, Edna E.....Charlotte
McClure, Hester L.....Charlotte
McClure, Mary A.....Ottawa, Ohio
McCreery, Mrs. Lulu F.....St. Johns
McCook, Rhita .....Oak Grove
McCook, Roy W.....Oak Grove
McCormack, Jennie .....Marengo
McCosh, Marie L.....Homer
McDermott, Anna .....Flint
McDonald, Grace .....Bay City
McDonald, Mary L.....Wellsville, Ohio
McGinnis, Birdelle .....Mt. Morris
McGinnis, Laila .....Coshocton, Ohio
McGinnis, Mary .....Coshocton, Ohio
McGregor, Mae .....Ann Arbor
McGuinness, Ezilabeth .....Dexter
McKenzie, Ella.....Essexville
McKenzie, Bertha .....Whitethall
McKenzie, Margaret .....Emmet
McKenzie, Sarah P.....Yale
McLeish, Florence M.....Marlette
McLeod, Lena .....Shepardsville
McMichael, Mary A.....St. Clair
McMillen, Floy .....Three Oaks
McNair, Lida .....Flint
McNaughty, Katherine .....Middleville
McNeil, Evalyn .....Steubenville, Ohio
McRae, Minnie H.....Breenbush
McVean, Martha Gertrude .....Brown City
Mears, Mary .....Flint
Medill, Alice M.....Sault Ste. Marie
edley, Cora B.....Chillicothe, Ohio

Mellencamp, F. A.....Grass Lake
Mellencamp, F. J.....Ypsilanti
Merrick, Fern Nettie .....East Tawas
Merrigold, Jessie .....Port Huron
Mettetal, Elsie .....Redford
Merrill, Wilma .....Benton Harbor
Meyer, Anna .....Ypsilanti
Miller, Frances .....Albion
Miller, Louise .....Eaton Rapids
Milliken, Bruce .....Saginaw
Millspaugh, Lizzie .....Ypsilanti
Minard, Eleanor .....Ypsilanti
Minard, Marie .....Ypsilanti
Mitchell, Maude M.....Opechee
Mixter, Louis C.....Okemos
Moeller, Julius H.....Hillsdale
Monk, Elizabeth .....Gregory
Monks, M. Lela.....Pinckney
Montague, Ella M.....Ovid
Montgomery, Eva L.....Ionia
Montgomery, Lavina .....Lansing
Moore, Jennie L.....Ypsilanti
Moore, F. Lenore .....Richmond
Moore, Olive E.....Saline
Moran, Katherine .....Monroe
Morgan, Catherine .....Ypsilanti
Morgan, Jessie .....Sodus
Moorhouse, Frances .....Ypsilanti
Moorhouse, Lily .....Edenville
Morrison, Leta A.....Coopersville
Morton, Alice .....LaSalle
Mots, Caroline .....Akron, Ohio
Moyer, Irma .....Troy, Ohio
Moye, Iva .....Lowell
Mundy, Sarah E.....Flushing
Munn, Delia .....Laurel
Munn, Lena .....Eaton Rapids
Munson, J. W.....Menominee
Murphy, Cecil .....Calumet
Murphy, Clare R.....Springport
Murphy, Frances .....Pinckney
Murray, Julia .....Flint

Murray, Lillian M.....Port Huron
Newcomb, Bessie .....Carleton
Newhouse, Esther .....Muir
Newell, Ida .....Burnips Corners
Newell, Florence .....Ypsilanti
Neverth, Albert .....Rushton
Nicholas, Carrie .....Jackson
Nichols, Frances .....Ypsilanti
Nichols, Grace E.....Portland
Nickel, Ella .....Au Sable
Niebling, Emma C.....Okemos
Nixon, Bertha L .....Coldwater
Nixon, Rose E.....Bellaire
Noll, Cora G.....Hillsdale
Norden, Eleanor .....Perkins
Norris, Ransom .....Ypsilanti
Nower, Hazel .....Lawrence
O'Connor, Honora .....Spruce
O'Dell, Edna J.....Port Huron
O'Donnell, Anna C.....Midland, Ohio
O'Leary, Katherine .....Painesville, Ohio
Olney, Clare .....Leonidas
Olney, C. G.....Akron, Ohio
Osborne, Kitty G.....Otisville
Osborn, Hugh .....Lapeer
Oviatt, Rena May .....Auburn
Pack, Ethel L .....Bancroft
Padfield, Annie .....St. Clair
Pague, Natalie .....Chicago, Ill.
Pajot, Olive .....Bay City
Palmer, M. Belle .....St. Claire
Palmer, Mae A.....Houghton
Palmer, Phena .....Ridgeway
Park, Helen ..... Bancroft
Parkinson, Blanche .....Yale
Parmalee, Elizabeth .....Morrice
Parsons, Lizzie .....Bancroft
Paton, Marion L.....Imlay City
Pearce, Maude .....Yale
Pease, Addie M.....Burr Oak
Pearson, Emma .....Calumet
Peck, Pearl .....Ada

Peet, Gertrude ..... Iosco
Peet, Max M..... Iosco
Pennington, Anna E..... Imlay City
Perkins, Blanche ..... Novelty, Ohio
Perkins, Nellie E..... Cass City
Perrin, Elizabeth ..... Grand Rapids
Perrine, Jessie A..... Troy, Ohio
Peters, Winifred ..... Pinckney
Peterson, Bertha M..... Marine City
Peterson, Helga M..... Whitehall
Petrie, Jane E..... Grand Rapids
Pew, Reah Evelyn ..... Ypsilanti
Peyton, Bernadine ..... Parkenburg, W. Va.
Phillips, Donna B..... Bellevue, Ohio
Phillips, Lillie M..... Cheboygan
Piatt, Frederick ..... Mt. Pleasant
Pimlott, Irene ..... Detroit
Plant, Florence ..... Montague
Plyme, Pearl ..... Stockwell, Ind.
Polk, Mamie ..... River Rouge
Pomeroy, Esther ..... Hilo, S. Is.
Poorman, L. Clare ..... Marcellus
Potter, Alice Jane ..... Davison
Potter, Earl G..... Davison
Potter, H. E..... Grand Blanc
Potts, Jennie B..... Adrian
Pound, Howard G..... Clio
Pound, Ida May ..... Fenton
Powers, M. Della ..... Lansing
Preble, Charlotte ..... Niles
Preston, Ella ..... Barryton
Priest, Dessie ..... Allegan
Prindle, May ..... Charlotte
Prine, Howard ..... Springport
Purcell, Ida ..... Iron River
Purfield, Helen ..... Ann Arbor
Purtell, Catherine E..... Ann Arbor
Quigley, Madge ..... Ypsilanti
Quigley, Nellie B..... Ypsilanti
Raab, Oscar ..... Dorr
Rademacher, Alice ..... St. Clair
Randall, Alice M..... Utica

Rasch, Bessie M.....Crown Point, Ind.
Rawdon, George .....Ypsilanti
Raymonde, Sister .....Eagle Streeter, Ill.
Reading, M. Gertdude .....Flat Rock
Reason, Mary K.....Pinckney
Reece, Estelle .....Troy, Ohio
Reed, Mrs. Catherine .....Saginaw
Reed, Ernest J.....Ypsilanti
Reitz, Mrs. Josephine .....Bellevue, Ohio
Reno, Clara .....Sharon
Reno, Emma L.....Manchester
Rennell, Esther .....Oscoda
Reynolds, Everett P.....Evart
Ricard, Ethel .....Jackson
Rice, Edna S.....Ann Arbor
Rice, Harry E.....Big Rapids
Richards, Judith M.....Carleton
Richardson, Anna M.....Spruce
Richardson, Mabel .....Lansing
Richardson, W. H.....Swartz Creek
Richey, Mary D.....Homer
Richmond, Ola .....Delhi
Riddering, Albert A.....Drenthe
Riddering, Dena .....Burnips Corners
Reidel, Blanche .....Manchester
Riopelle, Mamie.....Delray
Riopelle, Mertie .....Delray
Rivard, Dorothy .....River Rouge
Rivett, Byron J.....Homer
Roberts, Ola .....Ypsilanti
Roche, Loretta G.....Ashtabula, Ohio
Rodman, Mary E.....Baltimore, Md.
Roehm, Cora E.....Ypsilanti
Rogers, Lida .....Montague
Romig, Lee V.....Dundee
Ronan, Mary B.....Tekonsha
Root, Rosamond .....Breedsville
Rorabeck, Louisa .....Eaton Rapids
Rose, Leora .....Eaton Rapids
Rosewarne, Lura .....Marcellus
Ross, Bertha A.....So. Haven
Ross, Ethel M.....So. Haven

Ross, Kate ..... Sault Ste. Marie
Ross, Lucile ..... Ypsilanti
Rowe, Mary ..... Alger
Rowland, Alice ..... Lawrence
Royston, Maggie ..... Fremont
Rubert, M. Cassie ..... Dansville
Ruehs, Emma J ..... Caledonia
Rush, Nettie E ..... Owosso
Russell, Zella ..... Weston
Ruth, Alice E ..... Benton Harbor
Ryan, Nona ..... Wayne
Ryerson, Grace L ..... Holton
Sackett, William ..... Elm
Salsbury, Helen B ..... Fenton
Sanford, Nellie ..... Onondaga
Sanford, Rilla ..... Midland, Ohio
Savage, Samuel P ..... Dowagiac
Sawyer, Lena B ..... Allegan
Saxton, Bessie ..... West Toledo, Ohio
Saxton, Mabel C ..... Battle Creek
Schaffer, Emma ..... Manchester
Schall, Frank E ..... Lakeview
Schall, Mrs. Frank E ..... Lakeview
Scheidemantel, Mabel ..... Lima, Ohio
Schell, Belle ..... Cass City
Schleuter, Otto ..... Minden City
Schmidt, Sara ..... Fenton
Scollon, Margaret ..... Fowlerville
Scott, Ethel E ..... Linden
Scott, Eula ..... Lawton
Scott, Lettie M ..... Marine City
Scott, Margaret H ..... Ashtabula, Ohio
Scott, W. Arthur ..... Lima, Ind.
Scott, Nora ..... Detroit
Searl, Fred E ..... Stockbridge
Searl, Ruth D ..... Mason
Seeley, Nellie ..... Duplain
Seiberling, Elsie ..... Akron, Ohio
Seighman, Birchard ..... Phoenix
Shaefer, Lenna ..... Ypsilanti
Sharp, Martha ..... Big Rapids
Shaw, Carrie M ..... Bad Axe

Shaw, Eileen M.....Kingsville, Ohio
Sheridan, Clara .....Flushing
Sherman, Gertrude .....Owosso
Shilling, Ida M.....Troy, Ohio
Shook, Grace E.....Reese
Shriner, Bertha .....Marine City
Simons, Carrie .....Dansville
Sisman, Elsie .....Port Huron
Smafield, Marian .....Brown City
Smallegan, Dora .....Central Lake
Smith, Anna F.....Monroe
Smith, Clara L.....Carlisle, Pa.
Smith, Geo. A.....Pulaska
Smith, Guy C.....Tipton
Smith, Louise .....Ypsilanti
Smith, May K.....Monroe
Smith, Nellie .....Walled Lake
Smith, O. L.....Paw Paw
Smith, P. H.....Fayette, Ohio
Snyder, Ethel .....Battle Creek
Snyder, F. D.....St. Lawrence, S. Dak.
Solis, Esther .....St. Clair
Spaller, Martha .....Ypsilanti
Spencer, L. Zoe .....Linden
Spicer, Mabel I.....Plymouth
Sprague, R. M.....Douglas
Stadelman, Bessie .....Blissfield
Stafford, Margaret L.....Flint
Staley, Bertha .....Ypsilanti
Stanger, Emma .....Ann Arbor
Stanton, Hazel M.....Midland, Ohio
Stearns, Beulah .....Osseo
Steeds, Ivah .....Owosso
Steimle, C. P.....Atlantic Mine
Steiner, John L.....Beaverdam, Ohio
Stephens, Leo .....Milford
Stevenson, Helen .....Port Huron
St. Johns, Etta R.....Momence
Stowell, Alma L.....Colon
Streng, Frances .....Grand Rapids
Strong, Katherine L.....Battle Creek
Struble, Mabel S.....Ypsilanti

Struthers, Dorcas ..... Detroit
Sturm, Amanda ..... Saline
Sullivan, Dick ..... Minden City, Mich.
Sutherland, E. B. ..... Leroy
Sutherland, Mrs. Elizabeth ..... Leroy
Swaine, Florence ..... Ypsilanti
Swaine, Jessie ..... Ypsilanti
Swayzee, Dollie Belle ..... Rochester
Sweet, Elizabeth ..... Ypsilanti
Swope, Mary ..... Gas City, Ind.
Taft, M. Alice ..... Weston
Taylor, Alma E. ..... Croswell
Tefft, Mary L. ..... Jackson
Theobold, Lucile ..... Traverse City
Thomas, Genevieve ..... Ypsilanti
Thompson, Margaret ..... Adrian
Thompson, Mary L. ..... Ann Arbor
Thompson, Maude S ..... Springport
Tier, Anna ..... Akron, Ohio
Torrey, Reine M. ..... Cadillac
Townsend, Pearl ..... Gordon, Ohio
Trask, Ossie A. ..... Geneva, Ohio
Travis, Martin B. ..... Clarkston
Trieber, Emma ..... Niles
Tripp, W. J. ..... St. Clair
Trusty, Florence ..... Wilmington, Del.
Trusty, Lillian ..... Baltimore, Md.
Twichell, Jennie ..... Ann Arbor
Twiggs, Florence ..... Ypsilanti
Updike, Minerva ..... Iron Mountain
Uptegrove, Helen ..... Mendon
Uren, B. Ethel ..... Norway
Uren, Katherine ..... Hancock
Utley, Katherine ..... Lexington
Utley, Mabel G. ..... Whitecloud
Van Cleve, Kate ..... Ypsilanti
Vanderbilt, Lettie ..... Union City
Van Giesen, Shirley ..... Clinton
Van Houten, Alice ..... Flat Rock
Van Houten, Nettie ..... Portland
Vogt, Frances ..... Richmond
Volkmer, Nora E. ..... Chesaning

Vorce, Clara ..... Ypsilanti
Vorce, Edna ..... Ypsilanti
Wade, Benj. F..... Hillsdale
Wagg, Manda A..... Marine City
Wagner, Gertrude ..... Greenville, Ohio
Waite, Iva G..... Auburn
Wakeman, Gay ..... Colon
Walker, Ella M..... Marlette
Walker, M. Ethelyn ..... Almont
Walker, Ila M..... Ypsilanti
Wallace, Bessie ..... Manistee
Walling, Mrs. W. L. ..... Ypsilanti
Walling, W. L..... Ypsilanti
Ward, Clara ..... Grand Rapids
Warne, G. H..... Newberry
Warner, Emma R..... Alto
Warner, Wm. E..... Detroit
Waterman, Leone ..... Ypsilanti
Watrous, Nellie A..... Grand Rapids
Watson, Clara ..... Sparta
Watson, Lou ..... Sac City, Iowa
Weiland, Mae ..... Troy, Ohio
Weitbrecht, Emma C..... Ann Arbor
Welch, Katherine M..... Port Huron
Welch, Mary ..... Grand Rapids
Wells, Morton G..... Byron Center
West, Thomas Lawrence ..... Deckerville
Westgate, Cora B..... Hillsdale
Whalian, Mary E..... Chelsea
Wheeler, Alice M..... Ypsilanti
Wheeler, Francis J..... Ypsilanti
Wheelock, Ethel ..... Saranac
Whitcomb, L. P..... Ypsilanti
White, Maud ..... Flint
Whiteley, Katherine Klyde ..... Greenville, Ohio
Wickman, Mary ..... Hanover
Wiggers, J. Albertus ..... Zeeland
Wilcox, Estella Ethel..... Millington
Wilcox, Grace ..... Bellaire
Will, Pearl E..... Mendon
Williams, Anna R..... Delray
Williams, Winifred ..... Plymouth

Williamson, Anna O. H.....Baltimore, Md.
Williamson, Eva W.....Madison, Ind.
Williamson, M. O. H.....Washington, D. C.
Willman, E. J .....Montague
Wilmarth, Lena A.....Quincy
Wilsey, Myrta M.....Milwaukee, Wis.
Wilson, Bess .....Ottawa, Ohio
Wilson, Catherine .....Jackson
Wilson, Elizabeth .....Ypsilanti
Wilson, E. E.....Midland
Wilson, G. E.....Coldwater
Wilson, Ruby M.....Crown Point, Ind.
Wilson, S. R.....Union City
Wilson, Theo .....Ypsilanti
Wilton, Anna L.....Portland
Withey, Estelle V.....Marshall
Wixom, Mary .....Avoca
Wood, Angie .....Charlevoix
Wood, Clara .....Grand Rapids
Wood, Frank A.....Matherton
Wood, Pearl .....Gaines
Woodard, Lena May .....Akron, Ohio
Woods, Edward R.....Dutton
Woods, Imogene A.....Berlin
Woods, Margaret E.....Berlin
Woodward, Nellie .....Elsie
Yeazel, Florence .....Troy, Ohio
Yoh, Zelma .....Van Wert, Ohio
Young, Eda Z.....Montgomery
Young, Jessie .....Adrian
Young, R. A.....Onaway
Zach, Mabel W.....Ypsilanti
Zelner, Edna M.....Harbor Springs

List of Graduates, 1904-5

December, 1904

LIFE CERTIFICATE

Ackley, Hazel ..... Litchfield
Baer, Emma M..... Hillsdale
Conklin, Rena P..... Charlotte
Cunningham, Edith L..... Marlette
Dixon, Esther..... Milan, O.
Harper, Florence..... Grand Rapids
Garratt, LaVerne ..... Watervliet
German, Carrie B..... Ypsilanti
Heesen, Mary Grace..... Tecumseh
Howard, Cornelia..... Ypsilanti
Henley, Elion..... Jackson
Kirby, William G., Jr..... Ann Arbor
Knowles, Clara M..... Ludington
Knevels, Madge..... Clare
Kysor, Dana..... Kalamazoo
Lennox, Abbie Leone..... Millington
Lindsay, Ida..... St. Clair
Lonyo, Daisy..... Detroit
McDonald, Catherine..... Au Sable
Ross, Agnes..... Battle Creek
Smith, Myrtle ..... Durand
Sweetland, Elma J..... Saline
Wallace, Jessie E..... Ann Arbor
Winter, Kathryn K..... Niles
Wilson, U. Stanley..... Hanover

December, 1904

GRADED SCHOOL CERTIFICATE

Adams, Ella..... Evart
Barnum, Milly E..... Iron River
Cornish, Mildred ..... Lawton
Ferrigan, Gertrude..... Milford
Kent, Cornelia..... Benton Harbor
Morton, Minnie..... Marlette

Rieve, Verna.....Grand Ledge
Shields, Madge.....Marlette
Snowball Lizzie.....Milan
Tracy, Anna.....Grand Rapids

DEGREE B. Pd.

Josenhans, Reinhold J.....Allegan
Newton, Bertha.....Carson City
Wheeler, Francis J.....Ypsilanti

DEGREE, M. Pd.

Randall, Ray.....Homer

March, 1906

LIFE CERTIFICATE

Alexander, Effie.....Addison
Austin, Grace.....Chesaning
Bryant, Myrtis Lorinda.....Cheboygan
Dennis, Rose B.....Decatur
Doench, Katherine.....Sault Ste. Marie
Dunstall, Agatha.....Maple Rapids
Gage, Nina.....Green Oak
Hobbs, Grace.....Kalkaska
Hurst, Jennie B.....Henderson
Misener, Agnes.....Flint
O'Brien, Edward L.....Berrien Center
Oliff, Minnie.....Clio
Peters, Stella.....Petersburg
Pittman, Mrs. Lila.....Geneva
Poorman, Clara.....Marcellus
Sweetland, Nina L.....Saline
Thornton, James K.....Milan
Troub, Mrs. Minnie.....Ypsilanti
Williams, Charlotte.....Plymouth
White, Bertha Lois.....Newaygo

LIMITED CERTIFICATE

Fulton, Leone.....Marcellus
Scott, Eula.....Lawton
*Whalian, Amy.....Chelsea

*Deceased.

June, 1905

LIFE CERTIFICATE

Allen, Eloise L.....Milan
Angell, Z. Estelle.....Novi
Arnold, Louise.....Saginaw
Barber, Mabel C.....Plainwell
Bath, W. H.....Monroeville
Bechtold, Katie M.....Bellaire
Becker, Grace .....Dexter
Beedle, Bessie.....Tory, O.
Benedict, Pearl .....Ypsilanti
Betteys, Mildred L.....Oxford
Black, Isabella.....St. Clair
Blue, Bernice L.....White Pigeon
Bolles, Cornelia..... Marshall
Bond, E. Gertrude.....St. Johns
Bornor, Ina A.....Albion
Brown, Bess A.....Clinton
Brown, Emma N.....Richland
Burke, E. A.....New Boston
Burpee, Belle.....Harbor Springs
Campbell, Mary E.....Fenton
Carlisle, Ethel..... Shelby
Carolin, Eva N.....Detroit
Carpenter, Mary S.....Jackson
Champion, Deda E.....Three Rivers
Cole, Eva C.....Schoolcraft
Collins, Florence .....Gregory
Connor, Olive.....Ann Arbor
Cook, Eliza H.....Owosso
Cooley, Herbert C.....Hudson
Corazzi, Grace .....Ypsilanti
Coulson, Blanche .....Brooklyn
Coy, Florence A.....Mason
Cross, Mabel L.....Ypsilanti
Dansingburg, Eva H.....Ypsilanti
Demorest, Edith A.....Belding
Dean, Susie .....Ypsilanti
Dunham, Blanche. .....Ypsilanti
Dunlap, Almina ..... Oxford
Egeler, Ethel E.....Wayne

Erb, Grace I.....Grand Rapids
Evans, Oren F.....Shelby
Erickson, Helen .....Whitehall
Erwine, Florence .....Schoolcraft
Estabrook, Eudora.....Grand Rapids
Fiske, Anna L.....Adrian
Ferrigan, Gertrude .....Milford
Ferris, Fannie .....Eaton Rapids
Foster, George S.....Keeler
Frank, Grace .....Wayne
Gangnuss, Frieda .....Brighton
Garvey, Minnie .....Ludington
Gehman, Emma L.....Vermontville
Gibbs, A. Bruce.....Portland
Goetz, Olga .....Grand Rapids
Goodreau, Mayme I.....Michigamme
Goodson, Laura .....Bay City
Gough, Georgette .....Adrian
Haas, Verna .....Constantine
Harrison, Charles.....St. Louis
Harrington, Marguerite .....Kearsarge
Hawks, Alice .....Dowagiac
Hayden, Grace .....Paw Paw
Helm, Pearl .....Pewamo
Herald, Roy.....South Lyon
Hill, Mattie B.....Plainwell
Hinchey, Dede .....Pinckney
Hollister, Mabel .....Tecumseh
Holman, May .....Rockland
Howard, Abbie E.....Vernon
Howland, Katherine E.....Sebewa
Hoyt, Lucile .....Ypsilanti
Hubbard, Mabel .....Clarkston
Hummel, Linda L.....Ridgetown, Ont.
Hyames, Alson ..... Gobleville
Jackson, Wilma .....Ovid
Jarvis, Genevieve .....Otsego
Jones, Harry P.....Marcellus
Kauszler, Nora .....White Pigeon
Kay, Jennie M.....Brooklyn
Keeler, R. F.....Detroit
Kern, L Gertrude .....Ypsilanti

Kelley, Bessie ..... Milan, O.
Kelley, James J..... Carlton
Kepler, Frank R. ..... Saginaw, W. S.
Kingsley, Loretta ..... Flint
Knapp, Lena ..... North Adams
Kellogg, Myrta M..... Leroy
Kyle, Erma M..... Ypsilanti
Lake, James G..... Sault Ste. Marie
Lawton, Dora ..... St. Johns
Lasher, Bertha ..... Fowlerville
Lamport, Mary ..... Leslie
Lee, Jessie ..... Ionia
Leeder, Joseph Arden..... South Haven
Little, Lucy ..... Kalamazoo
Linebaugh, Calvin ..... Portland
Lord, Mary A..... Albion
Lott, Florence, J..... Elk Rapids
Lyons, Agatha F..... Michigamme
Lyon, Rubena N..... Watertown, N. Y.
McClatchie, Myrtle ..... Ludington
McCurdy, Della ..... Troy, O.
McDonald, Philip ..... Peshtigo, Wis.
McKillop, Nellie ..... North Branch
McMath, Ellena J..... Leslie
McNamara, Catherine..... St. Ignace
McNamara, Mildred ..... Howell
McNeil, Mary ..... Manistique
Marshall, Savannah ..... Troy, O.
Mellencamp, F. A..... Grass Lake
Mickam, Ina I..... Grand Rapids
Mills, Ella B..... Ann Arbor
Montgomery, Etta ..... Ionia
Morris, Rose A..... Cross Village
Morse, Florence C..... Metamora
Moss, Augusta ..... Albion
Mowry, Guy L. ..... Wixom
Murtha, Sara Mildred..... Shepherd
Neuman, Freeden, ... Calumet
Newell, Florence E..... Ypsilanti
Noble, Cecelia ..... Lowell
Osborn, Mieda B..... Kalamazoo
Preble, Edward F..... Niles

Patrick, Edith ..... Palo
Patrick, Lura Bel ..... Allegan
Pattee, Blanche E ..... Morenci
Peacock, Louise ..... Corunna
Pettitt, Anna ..... Benzonia
Phillipps, Maybelle ..... Pontiac
Plowman, Rex ..... Iron Mountain
Pope, Antoinette ..... Vermontville
Poste, Maud E ..... Constantine
Priest, Helen H ..... Evart
Pullman, Mildred ..... Big Rapids
Raidle, A. E ..... Charlotte
Reed, J. Lewis ..... Howell
Reese, E. A ..... Bloomingdale
Reynolds, Emma H ..... Rives Junction
Riker, Reva ..... Portland
Roper, Vida Bell ..... Redford
Royce, Mabel L ..... Sault Ste. Marie
Rudd, Allura L ..... Ann Arbor
Rutherford, Ezra ..... Decatur
Sargent, Bernice ..... Ypsilanti
Schaaf, Emma N ..... Petoskey
Schmidt, Sara ..... Fenton
Sheldon, Hetty ..... St. Clair
Silver, Myrtle ..... Ludington
Skinner, Mamie ..... Bad Axe
Slattery, Margaret ..... Jackson
Smith, Ollie E ..... Big Rapids
Smith, Velma Rosella ..... Lansing
Stebbins, Elva E ..... Ionia
Stendel, Laura C ..... Wayne
Stepan, Lucille ..... Traverse City
Stirling, Helen ..... Eaton Rapids
Stone, Bessie E ..... Charlotte
Strahle, Mabel ..... Owosso
Sturm, Ruth ..... Saline
Surine, Mary ..... Chesaning
Sweet, Clara ..... Ypsilanti
Templeton, Grace E ..... Ionia
Thacker, M. Eva ..... Elk Rapids
Thomas, Grover ..... Ypsilanti
Trathen, Sidney P ..... Houghton

Travis, Martin B.....Clarkston
Upthegrove, Clare.....Central Lake
VanDeman, Harriet .....Benzonia
Vorce, Clara .....Ypsilanti
Washington, Violet .....Flint
Watson, Maude .....Three Oaks
Westphal, Alma V.....Three Rivers
Wheater, Lillian G.....Plainwell
Widoe, Iva .....Hart
Wiggers, J. Albertus.....Zeeland
Wilcox, Edna .....Bellaire
Willey, Edna F.....Ypsilanti
Wilcox, Julia H.....Utica
*Willits, Estella .....New Haven
Wilson, Theo .....Ypsilanti
Wortman, Lizzie .....Fenton
Wright, Ina F..... .....Port Huron
Young, Ina B.....Otsego
Wood, Vivian Brooks.....Bangor
Woodward, Beatrice .....Port Huron

GRADED SCHOOL CERTIFICATE

Abbott, Eva .....Oxford
Bement, Wilhelmina .....Mason
Elkins, Blanche .....Rockford
Hoover, Maud .....Troy, O.
McGuinness, Maud..... Hastings
Mishler, Janet .....Elkhart, Ind.
Rekart, Lucy M.....New Lathrop
Simonson, Sophie .....Whitehall
Travis, Mrytle .....Clarkston
Tyrrell Maud E.....Reading
Wellington, Gertrude .....St. Johns

RURAL SCHOOL CERTIFICATE

Beeman, Benjamin.....Williamston
Becker, Alma .....Dexter
Cooper, Grace .....Howell
Dickey, Pearl .....Albion
Townsend, Ethel .....Almont

*Deceased.

DEGREE B. Pd.

Andrews, Frank E.....Detroit
Andress, Mace .....Chesaning
Carpenter, Clifford D.....Bronson
Clark, Esther M.....Laingsburg
Greene, Clawrence W.....Albion
Jensen, Frank .....Pentwater
Knevels, Madge .....Clare
Lambie, Anna .....Ypsilanti
Phillips, Memie .....Midland
Reed, Alice E., B. L.....Big Rapids
Sheppard, Chester A.....Fremont
Tripp, Clarence S.....Ypsilanti
Tripp, Etta Gilbert.....Ypsilanti
Wilcox, F. Eugene.....Chelsea
Whitney, Edward.....Port Sanilac

DEGREE A. B.

Andress, Mace .....Chesaning

August, 1905

LIFE CERTIFICATE

Abel, Greta .....Ypsilanti
Brown, C F.....Ionia
Bucklin, Edith .....Olivet
Carr, Clara L.....Dundee
Chapman, Irene .....Ypsilanti
Clapp, Susiana .....Owosso
Cook, Amelia .....Edmore
Cornish, Hubert R.....Saginaw
Covert, Milford W.....Ypsilanti
Deam, Effie .....Niles
Dean, Jeanette .....Girard
Eldred, Foss O. .....Colon
Emendorfer, Eva .....Saginaw
Fast, L. W. .....Sparta
Fletcher, Rachel .....Ypsilanti
Harrison, Maizie .....St. Louis
Heitsch, Mae .....Pontiac
Hicks, Curry S.....Eaton Rapids
Higgins, Stella .....Bellevue
Holman, May .....Rockland

Hoogenstyn, Edith ..... Holland
Hunter, Minnie ..... Ovid
Krebs, Bessie ..... Charlotte
Lockwood, Margaret ..... Pittsford
Long, Elsie A..... Coldwater
Marshall, Mae E..... South Lyon
Merrill, Wilma ..... Benton Harbor
Mitchell, Maude M..... Opechee
Morgan, Jessie ..... Sodus
McGuinness, Elizabeth ..... Dexter
Nicholas, Carrie ..... Jackson
Olney, Clare ..... Leonidas
Pimlott, Irene ..... Detroit
Purcell, Lida ..... Iron River
Randall, Alice M..... Utica
Romig, Lee V. ..... Dundee
Rosewarne, Lura ..... Marcellus
Rush, Nettie E..... Owosso
Sisman, Elsie ..... Port Huron
Spencer, Zoe ..... Linden
Struble, Mrs. Mabel S..... Ypsilanti
Van Houten, Alice..... Flat Rock
Van Houten, Nettie..... Portland
Wallace, Bessie E..... Manistee
Walling, Wilder LeVerne..... Ypsilanti
Watrous, Nellie A..... Grand Rapids
Watson, Clara M..... Three Oaks
Wilson, Sherman R..... Union City
Wilsey, Myrta M..... Milwaukee, Wis.
Wilcox, Grace M..... Bellaire

GRADED SCHOOL CERTIFICATE

Abbott, M. Anna..... Ovid
Atkinson, Winifred ..... Niles
Baird, Nellie A..... Brown City
Barnard, Flora ..... Coldwater
Becker, Mrs. M. Marie..... Weston
Brown, Lora A..... Battle Creek
Burden, Lillie F..... Flat Rock
Colby, Nellie ..... Eaton Rapids
Davison, Ethel ..... Detroit
De Boer, Charles..... Grand Haven

Duddles, Charlotte ..... Ashton
Foght, A. Marjie ..... Lake Odessa
Foster, Zora A ..... Benton Harbor
Hall, Frances E ..... Oscoda
Hall, Ruth ..... Bay City
Hess, Barbara ..... Elsie
Hosmer, Lena E ..... Bellaire
Jennings, Sarah ..... Eaton Rapids
Johnson, Lillian ..... Evart
Kenzler, Alice ..... Saginaw
King, Viola ..... Eau Claire
Kohn, Margaret ..... Belding
Medill, Alice ..... Sault Ste. Marie
Munn, Lena ..... Eaton Rapids
McCarty, S. Eleanor ..... Grand Junction
Newberry, Marie A ..... Dundee
Pearson, Emma ..... Calumet
Pease, Addie M ..... Burr Oak
Peterson, Bertha A ..... Marine City
Priest, Antoinette ..... Evart
Reason, Mae C ..... Pinckney
Stanley, Laura ..... Cadillac
Sanford, Nellie B ..... Onondaga
Sharpe, Martha ..... Big Rapids
Strong, Katherine ..... Battle Creek
Treiber, Emma E ..... Niles
Wagg, Manda A ..... Marine City
Wood, Angie ..... Charlevoix
Zelner, Edna M ..... Harbor Springs

RURAL SCHOOL CERTIFICATE

Bryan, Harry ..... Mt. Morris
Schriner, Bertha ..... Marine City
Kemler, Flossie ..... Eaton Rapids

CONSERVATORY OF MUSIC

Herron, Edith ..... Port Huron
Nixon, Rose ..... Bellaire

DEGREE P. Pd.

Brown, C. F ..... Ionia
Farmer, A. E. ..... Pontiac

Kysor, Dana ..... Kalamazoo
McCreery, Lulu F..... St. Johns
Rice, Harry E..... Big Rapids
Rivett, Byron J..... Homer
Wiggers, J. Albertus..... Zeeland

Table Showing Attendance by Counties and other States for the year 1905-1906

(Note—These figures do not include the enrollment for the summer term).

Alcona		Iosco	11
Alger	1	Iron	1
Allegan	20	Isabella	1
Alpena		Jackson	27
Antrim	9	Kalamazoo	6
Arenac		Kalkaska	
Baraga		Kent	40
Barry	7	Keweenaw	
Bay	14	Lake	
Benzie	1	Lapeer	17
Berrien	21	Leleenaw	
Branch	17	Lenawee	24
Calhoun	21	Livingston	28
Cass	5	Luce	
Charlevoix	2	Mackinaw	8
Cheboygan	2	Macomb	29
Chippewa	2	Manistee	4
Clare		Marquette	5
Clinton	19	Mason	8
Crawford		Mecosta	2
Delta	1	Menominee	
Dickinson	2	Midland	1
Eaton	27	Missaukee	1
Emmet	7	Monroe	16
Genesee	22	Montcalm	10
Gladwin		Montgomery	
Gogebic		Muskegon	5
Gd. Traverse	2	Newago	10
Gratiot	7	Oakland	44
Hillsdale	18	Oceana	14
Houghton	24	Ogemaw	
Huron	8	Ontonagon	6
Ingham	33	Osceola	15
Ionia	26	Oscoda	2

Otsego	1	St. Clair	14
Ottawa	17	St. Joseph	20
Presque Isle	3	Tuscola	13
Roscommon		Van Buren	19
Saginaw	9	Washtenaw	182
Sanilac	13	Wayne	86
Schoolcraft	3	Wexford	6
Shiawassee	20		

OTHER STATES

Arkansas	2	Montana	6
Chili, S. A.	1	Nebraska	1
Colorado	1	New York	3
Hawaii, S. I.	1	Ontario	3
Illinois	7	Ohio	33
Iowa	1	Pennsylvania	1
Indiana	4	South Dakota	2
Louisiana	1	Washington	1
Massachussetts	1	Wisconsin	1

Statistics for 1905-1906

Enrollment in Normal College proper for the college year to date, March 8, 1906		1139
Number entering this year for the first time	521	
Number of above received on diploma	480	
Number of preparatory students	25	
Number of students in Conservatory of Music	210	
Number of candidates for degree B. Pd. in residence	24	
Number of counties sending students (see table p. 239)	67	
Number of counties not represented	16	
Number who have taught	512	
Number enrolled in summer term of 1905		932
		2071
Deduct counted twice		134
Total attendance to date, March 8, 1906, for the year beginning July 1, 1905, not including the spring quarter nor number enrolled in Training School		1937
Pupils enrolled in Training School:		
Kindergarten	89	
First grade	34	
Second grade	42	
Third grade	40	
Fourth grade	45	
Fifth grade	54	
Sixth grade	44	
Seventh grade	41	
Eighth grade	43	
High School Department	61	
Total in Training School		493
Total attendance in College and Training School		2430

Directory, 1906-1907

JONES, L. H., A.M., 730 Forest Avenue.

Barbour, Florus A., A.M.....704 Pearl St.
Blount, Alma, Ph.D.....520 Hamilton St.
Boardman, Alice I.....116 Hamilton St.
Bowen, W. P., M.S., B.Pd.....203 Brower St.
Buell, Bertha L., B.L.....429 Adams St.
Burton, Fannie Cheever, M.Pd.....517 Adams St.
Childs, H. Ethel.....Forest Ave. East
Clark, Inez.....517 Adams St.
Cook, Edna .....109 S. Huron
Davis, Darrel H., A.B.....310 Hamilton St.
Derby, Mary, A.B.....316 Congress St.
D'Ooge, Benjamin L., A.M., Ph.D.....420 Forest Ave.
Downing, Estelle, A.B.....429 Adams St.
Fleischer, Ida, Ph.D.....508 Brower St.
Ford, R. Clyde, Ph.D.....505 Chicago Ave.
Foster, Clyde E.....418 Florence St.
Fuller, Grace .....111 Normal St.
Gardner, Emelyn E., A.B.....220 Huron St.
Garner, Lota H.....411 Pearl St.
Goddard, Mary A., A.B.....516 Adams St.
Goodison, Bertha.....317 Huron St.
Gorton, Frederick R., Ph. D.....512 Forest Ave.
Harvey, Nathan A., Ph.D.....223 Summit St.
Herrick, Lydia L.....429 Adams St.
Hoyt, Charles O., A.B., Ph.D.....318 Congress St.
Jackson, Adella .....105 Normal St.
Jefferson, Mark S. W., A.M.....14 Normal St.
'ensen, Frank .....95 Oakwood Ave.
Cing, Julia Anne, A.M., M.Pd.....611 Pearl St.
Cneip, Helene.....213 Michigan St.
Laird, S. B., B.Pd., M.S.....318 Forest Ave.
Lathers, J. Stuart, B.L.....416 Olive St.
Lee, Jessie.....502 Cross St.
Lombard, Mary Joy, B.L.....520 Hamilton St.
Lyman, Elmer A., A.B.....126 Washington St.
Lynch, Abigail .....217 Washington St.

McLellan Elisabeth B .....211 N. Huron
Magers, S. D., M.S.....9 S. Summit St.
Master, Mary M.....316 Congress St.
Muir, Helen B.....614 Cross St.
Norris, Orland O.....315 Cross St.
Norton, Ada A., Ph.M.....510 Pearl St.
Olmsted, Annie H.....220 Huron St.
Pearce, Abigail, PhB., B.Pd.....410 Emmet St.
Pease, Frederic H.....43 Summit St.
Peet, B. W., M.S.....510 Emmet St.
Phelps, Jessie, M.S.....429 Adams St.
Putnam, Daniel, A.M., LL.D.....314 Forest Ave.
Putnam, Mary B., Ph.B., B.Pd.....314 Forest Ave.
Putnam, Ruth.....314 Forest Ave
Reinhold, Robert M.....717 Cross St.
Roberts, Dimon H., A.M.....307 Congress St.
Roe, Abigail.....220 Huron St.
Sherzer, William H., M.S., Ph.D.....9 S. Summit St.
Shultes, Florence, B.Pd.....210 Washington St.
Steagall, Mary M., Ed.B.....301 Washington St.
Steimle, Clemens P.....201 Washington St.
Stone, John C., A. M.....501 Adams St.
Stowe, Hester P.....220 Huron St.
Strong, Edwin A., A.M.....127 Normal St.
Towner, Caroline L.....303 Huron St.
White, Minor E.....727 Chicago Ave.
Wilson, Ella M.....1 Summit St.
Wise, Margaret E .....18 Adams St.

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MAY 27 1907

THE MICHIGAN STATE NORMAL COLLEGE

YEAR BOOK

1906-1907

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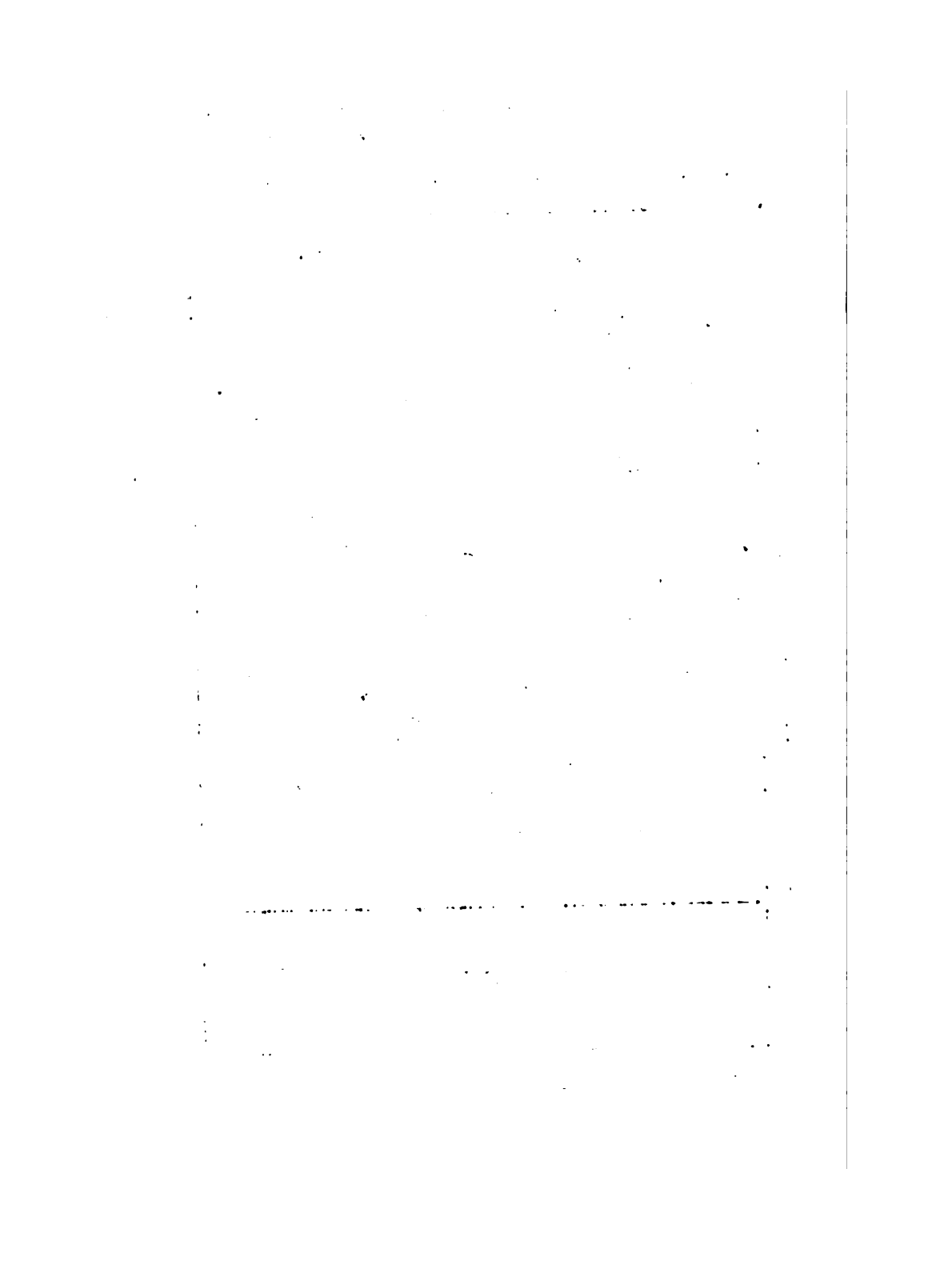
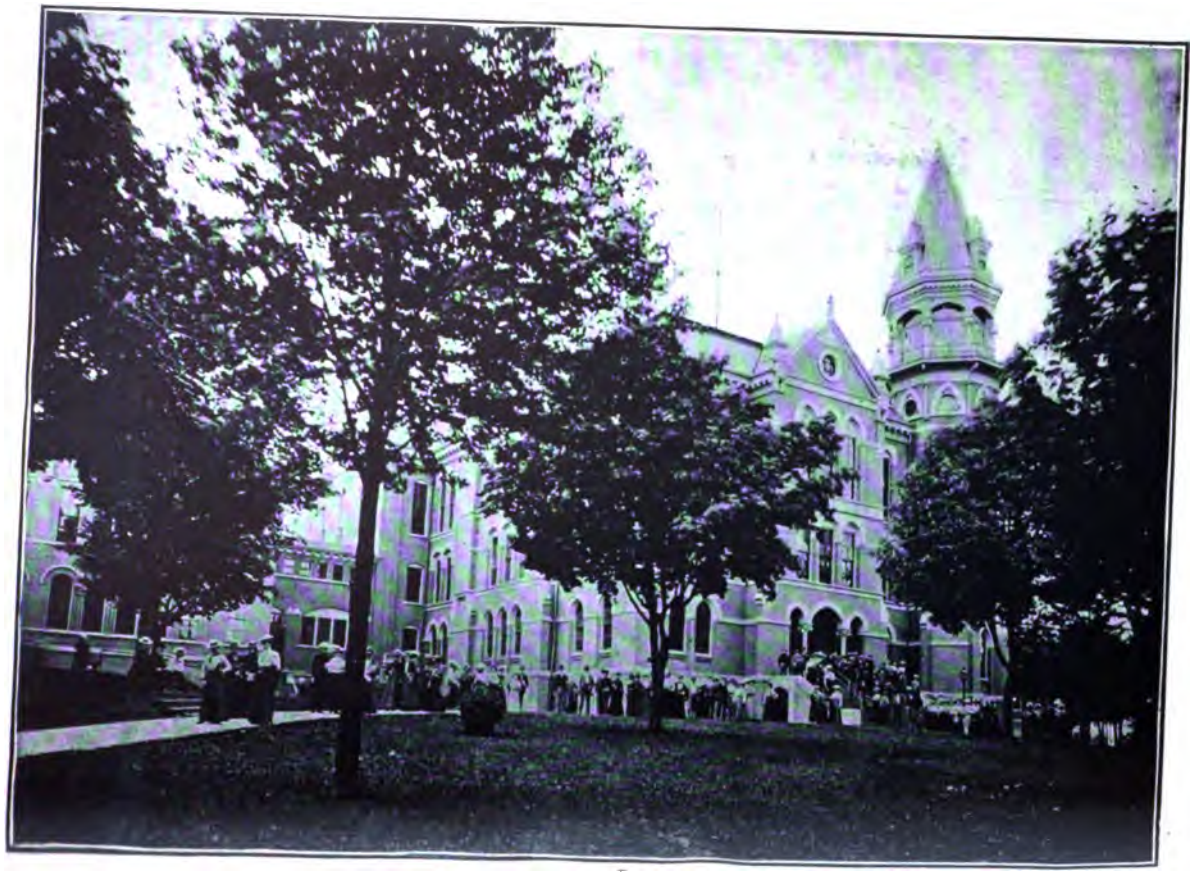
THE MICHIGAN STATE NORMAL COLLEGE

YEAR BOOK

1906-1907





The Main Building

Year Book

OF THE

Michigan State Normal College

FOR

1906-1907

INCLUDING

ANNOUNCEMENTS FOR 1907-1908

AND

REGISTER OF STUDENTS

1906-7

Michigan State Normal College

L. H. JONES, A. M., PRESIDENT

STATE BOARD OF EDUCATION

HON. DEXTER M. FERRY, JR.----------President
HON. W. A. COTTON----------Vice President
HON. W. J. MCKONE----------Treasurer
HON. LUTHER L. WRIGHT----------Secretary

HON. LUTHER L. WRIGHT
Superintendent of Public Instruction

Regular meeting of the Board fourth Friday of each month

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SCHOOL CALENDAR FOR 1907-8

Holidays are printed in full-faced type

	June, 1907						November, 1907						April, 1908					
Sun.		**2**	**9**	**16**	**23**	**30**		**3**	**10**	**17**	**24**			**5**	**12**	**19**	**26**	
Mon.		3	10	17	24			4	11	18	25			**6**	13	20	27	
Tues.		4	11	18	25			5	12	19	26			7	14	21	28	
Wed.		5	12	19	26			6	13	20	27		**1**	8	15	22	29	
Thur.		6	13	**20**	27			7	14	21	**28**		**2**	9	16	23	30	
Fri.		7	14	**21**	28		1	8	15	22	**29**		**3**	10	17	24		
Sat.	**1**	**8**	**15**	**22**	**29**		**2**	**9**	**16**	**23**	**30**		**4**	**11**	**18**	**25**		
	July, 1907						December, 1907						May, 1908					
Sun.		**7**	**14**	**21**	**28**		**1**	**8**	**15**	**22**	**29**			**3**	**10**	**17**	**24**	**31**
Mon.	1	8	15	22	29		2	9	16	**23**	**30**			4	11	18	25	
Tues.	2	9	16	23	30		3	10	17	**24**	**31**			5	12	19	26	
Wed.	3	10	17	24	31		4	11	18	**25**				6	13	20	27	
Thur.	**4**	11	18	25			5	12	19	**26**				7	14	21	28	
Fri.	5	12	19	26			6	13	20	**27**			1	8	15	22	29	
Sat.	**6**	**13**	**20**	**27**			**7**	**14**	**21**	**28**			**2**	**9**	**16**	**23**	**30**	
	August, 1907						January, 1908						June, 1908					
Sun.		**4**	**11**	**18**	**25**			**5**	**12**	**19**	**26**			**7**	**14**	**21**	**28**	
Mon.		**5**	**12**	**19**	**26**			**6**	13	20	27		1	8	15	22	29	
Tues.		**6**	**13**	**20**	**27**			7	14	21	28		2	9	16	23	30	
Wed.		**7**	**14**	**21**	**28**		**1**	8	15	22	29		3	10	17	24		
Thur.	1	**8**	**15**	**22**	**29**		**2**	9	16	23	30		4	11	18	**25**		
Fri.	2	**9**	**16**	**23**	**30**		**3**	10	17	24	31		5	12	19	**26**		
Sat.	**3**	**10**	**17**	**24**	**31**		**4**	**11**	**18**	**25**			**6**	**13**	**20**	**27**		
	September, 1907						February, 1908						July, 1908					
Sun.	**1**	**8**	**15**	**22**	**29**			**2**	**9**	**16**	**23**			**5**	**12**	**19**	**26**	
Mon.	**2**	**9**	**16**	**23**	30			3	10	17	24			6	13	20	27	
Tues.	**3**	**10**	**17**	**24**				4	11	18	25			7	14	21	28	
Wed.	**4**	**11**	**18**	**25**				5	12	19	26		1	8	15	22	29	
Thur.	**5**	**12**	**19**	**26**				6	13	20	27		2	9	16	23	30	
Fri.	**6**	**13**	**20**	**27**				7	14	21	28		3	10	17	24	31	
Sat.	**7**	**14**	**21**	**28**			**1**	**8**	**15**	**22**	**29**		**4**	**11**	**18**	**25**		
	October, 1907						March, 1908						August, 1908					
Sun.		**6**	**13**	**20**	**27**		**1**	**8**	**15**	**22**	**29**			**2**	**9**	**16**	**23**	**30**
Mon.		7	14	21	28		2	9	16	23	**30**			3	**10**	**17**	**34**	**31**
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Thur.	3	10	17	24	31		5	12	19	26				6	**13**	**20**	**27**	
Fri.	4	11	18	25			6	13	20	27				7	**14**	**21**	**28**	
Sat.	**5**	**12**	**19**	**26**			**7**	**14**	**21**	**28**			**1**	**8**	**15**	**22**	**29**	

ANNOUNCEMENTS 1907-8

1907.

Sunday, June 16.....Baccalaureate Address

Monday, June 17, p. m.....Junior Class-Day

Tuesday, June 18, a. m.....Conservatory Commencement

Tuesday, June 18, p. m.... { Senior Class-Day, Alumni Reunion / President's Reception

Wednesday, June 19.....COMMENCEMENT

The Commencement Address will be delivered by JOHN W. COOK, L.L.D., President of the State Normal School, DeKalb, Ill.

SUMMER SCHOOL

Monday, June 24.....Classification of Students

Tuesday, June 25.....Recitations Begin

Friday, August 2.....Summer School Closes

SUMMER VACATION—AUGUST 2 TO SEPTEMBER 30

Saturday, September 28 } .....Entrance Examinations
Monday, September 30 } and .....Classification of Students

Tuesday, October 1..... { Class Room Work of / Fall Quarter Begins

Friday, October 4.....Meeting of Literary Societies

Saturday, October 5.....S. C. A. Reception

Friday, October 11.....Faculty Reception to Students

Thursday, November 28 }
Friday, November 29 } .....Thanksgiving Recess

Friday, December 20.....Fall Quarter Closes

1908

Tuesday, January 7..... { Winter Quarter Begins / Entrance Examinations

Saturday, February 22.....Washington's Birthday

Friday, March 27.....Winter Quarter Closes

Tuesday, April 7.....Spring Quarter Begins

Saturday, May 30.....Memorial Day

Sunday, June 21.....Baccalaureate Address

Monday, June 22.....Conservatory Commencement

Tuesday, June 23.....Conservatory Commencement

Tuesday, June 23 p. m..... { Senior Class-Day, Alumni Reunion / President's Reception

Wednesday, June 24.....COMMENCEMENT

FACULTY

OF THE

Michigan State Normal College

L. H. JONES, A. M., PRESIDENT, 730 Forest Ave.

HEADS OF DEPARTMENTS*

FREDERICK H. PEASE.....43 Summit St.
Director of Conservatory of Music.

‡DANIEL PUTNAM, A.M., LL.D.....314 Forest Ave.
Professor of the Science and Art of Teaching.

†JULIA ANNE KING, A.M., M.PD.....611 Pearl St.
Professor of History and Civics

EDWIN A. STRONG, A. M.....127 Normal St.
Professor of Physical Sciences

FLORUS A. BARBOUR, A.M.....408 Forest Ave.
Professor of English

BENJAMIN L. D'OOGE, A.M., PH.D.....420 Forest Ave.
Professor of Latin and Greek

WILLIAM H. SHERZER, M.S., PH.D.....9 N. Summit St.
Professor of Natural Sciences.

CHARLES O. HOYT, PH.D.....417 Forest Ave.
Professor of the Science and History of Education

ELMER A. LYMAN, A.B.....126 N. Washington St.
Professor of Mathematics

SAMUEL B. LAIRD, A.M.....318 Forest Ave.
Professor of Psychology

DIMON H. ROBERTS, A.M.....307 Congress St.
Superintendent of Training School

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*The names of the Faculty are arranged under the several subdivisions in order of the seniority of service.

‡ Deceased.

† Absent on leave.

MARK S. W. JEFFERSON, A.M.----------14 Normal St.
Professor of Geography

RICHARD CLYDE FORD, PH.D.----------505 Chicago Ave.
Professor of French and German

J. STUART LATHERS, B.L.----------416 Olive St.
Professor of Reading and Oratory

WILBER P. BOWEN, M.S., B.PD.----------129 College Place.
Professor of Physical Education

NATHAN A. HARVEY, PH.D.---------- 223 Summit St.
Professor of Pedagogy and Institute Conductor

ASSOCIATE PROFESSOR

JOHN C. STONE, A.M.----------423 Forest Ave.
Associate Professor of Mathematics

ASSISTANT PROFESSORS

FREDERICK R. GORTON, PH.D.----------512 Forest Ave.
Assistant Professor of Physics

B. W. PEET, M.S.----------510 Emmet St.
Assistant Professor of Chemistry

ABIGAIL PEARCE, PH.B., B.PD.----------410 Emmet St.
Assistant Professor of English

S. D. MAGERS, M.S.----------914 Congress St.
Assistant Professor of Physiology

INSTRUCTORS AND ASSISTANTS

HELEN B. MUIR----------511 Ellis St.
Instructor in Latin and Greek

ADA A. NORTON, PH.M.----------510 Pearl St.
Instructor in Mathematics

FLORENCE SHULTES, B.PD.---------- 210 Washington St.
Instructor in History

MARY B. PUTNAM, PH.B., M.PD.----------314 Forest Ave.
Instructor in Civics

MRS. FANNIE CHEEVER BURTON, M.PD.----------517 N. Adams St.
Director of Women's Gymnasium

CLYDE E. FOSTER----------418 Florence St.
Instructor in Music

ESTELLE DOWNING, A.B.---------- 1 Summit St.
Assistant in English

*JESSIE PHELPS, M.S.----429 Adams St.
Instructor in Natural Sciences

BERTHA G BUELL, B.L.----1 Summit St.
Assistant in History

MINOR E. WHITE----611 Ellis St.
Assistant in Music

MARY A. GODDARD, B.S.----516 Adams St.
Instructor in Natural Sciences

BERTHA GOODISON----317 S. Huron
Instructor in Drawing

ALMA BLOUNT, PH.D.----219 Adams St.
Instructor in English

ANNIE H. OLMSTED----220 Huron St.
Instructor in Drawing

LOTA H. GARNER----920 Congress St.
Assistant in Drawing

IDA FLEISCHER, PH.D.----810 Congress St.
Instructor in French and German

MARY JOY LOMBARD, B.L.----324 Forest Ave.
Instructor in French and German

INEZ M. CLARK----517 N. Adams
Assistant in Gymnasium

RUTH PUTNAM----314 Forest Ave.
Assistant in Music

ORLAND O. NORRIS----315 Cross St.
Instructor in Latin

ROBERT M. REINHOLD----306 Normal St.
Editorial Manager Normal College News

CLEMENS P. STRIMLE----201 Washington St.
Assistant in Mathematics

HENRY C. LOTT, A.M., M.PD.----40 Summit St.
Instructor in Psychology

LUCY S. NORTON, A.B.----114 N. Normal St.
Assistant in History

ESTELLA BAKER----111 N. Normal St.
Assistant in Manual Training and Drawing

LILLIAN OLIFF----422 Pearl St.
Assistant in Reading and Oratory

BENJAMIN H. PITTINGER----713 Cross St.
Assistant in Reading and Oratory

S. EDITH KING, B. PD.----216 Washington St.
Acting Assistant in Natural Science

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* Absent on leave.

LIDA CLARK----------420 Ballard St.
Acting Instructor in Drawing (fall term)

CHAS. C. COLBY----------316 Congress St.
Assistant in Geography

W. L. WALLING---------- 17 N. Summit St.
Assistant in Physical Science Laboratory

IRENE O. CLARK----------610 Adams St.
Assistant in Physical Education

SIDNEY P. TRATHEN---------- ----------119 Hamilton St.
Assistant in Mathematics

JENNIE L. MATTESON----------216 N. Washington St.
Assistant in Mathematics

H. C. COOLEY----------717 Ellis St.
Assistant in History of Education

R. M. SPRAGUE----------124 Summit St.
Assistant in Natural Science Laboratory

E. S. CLEM----------107 N. Washington St.
Assistant in Natural Science Laboratory

FERN WHITE ----------226 Summit St.
Assistant in Natural Science Laboratory

FERN NEWKIRK----------501 W. Cross St.
Assistant in Drawing

HENRY F. SCHULTE----------1132 Washtenaw Ave., Ann Arbor
Assistant in Physical Education

FACULTY OF THE TRAINING SCHOOL

DIMON H. ROBERTS, A.M., Superintendent

MARGARET E. WISE----------18 Adams St.
Critic Teacher, First Grade

HESTER P. STOWE----------220 Huron St.
Kindergartner

DELLA JACKSON----------105 Normal St.
Critic Teacher, 2nd Grade

ABIGAIL ROE----------220 Huron St.
Critic Teacher, Sixth Grade

LYDE E. FOSTER---------- ----------418 Florence St.
Supervisor of Music

ABIGAIL LYNCH----------217 Washington St.
Critic Teacher, Third Grade

MARY M. STEAGALL, ED.B., PH.B.----------316 Congress St.
Critic Teacher, Ninth and Tenth Grades

BERTHA GOODISON----------317 S. Huron St.
Supervisor of Drawing

ALICE I. BOARDMAN ..... 216 Hamilton St.
Supervisor of Manual Training

* ELLA M. WILSON ..... 1 Summit St.
Critic Teacher, Fifth Grade

INEZ M. CLARK ..... 517 N. Adams St.
Supervisor of Physical Training

EDNA T. COOK, B.S. ..... 109 Huron St.
Critic Teacher, Eighth Grade

ELISABETH B. McLELLAN ..... 216 Hamilton St.
Critic Teacher, Fourth Grade

HELENE KNEIP ..... 213 Michigan St.
Assistant Kindergartner

EMELYN E. GARDNER, A.B. ..... 220 Huron St.
Critic Teacher, Seventh Grade

GRACE FULLER ..... 318 Ellis St.
Supervisor of Domestic Science and Art

E. JOSEPHINE RICE, A.B. ..... 114 Normal St.
Acting Critic, Fifth Grade

EDITH ADAMS ..... 216 Hamilton St.
Assistant Kindergartner

ESTELLA BAKER ..... 111 Normal St.
Assistant in Manual Training and Drawing

ZAYDA B. FISH ..... 417 Ellis St.
Assistant in Domestic Science

ANN C. WRIGHT ..... 19 Hamilton St.
Assistant in Domestic Art

L. ELTA LOOMIS ..... 706 Emmet St.
Assistant in Physical Training

LIBRARY STAFF

GENEVIEVE M. WALTON, Head Librarian, 404 Huron St.

ALICE BARNES ..... 220 Huron St
Librarian in charge of Accessions

ELSIE V. ANDREWS ..... 117 Huron St.
Librarian in charge of Periodicals and Binding

ELIZABETH F. SIMPSON ..... 432 Huron St.
Librarian in charge of Circulation

HIRAM H. CHAPMAN ..... 202 Summit St.
Assistant

CLARENCE J. WEST ..... 306 Brower St.
Assistant

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* Absent on leave

Administrative Organization of the State Normal College

THE COUNCIL

L. H. Jones, A.M., President.

Frederick H. Pease.
Julia Anne King, A.M., M.Pd.
Edwin A. Strong, A.M.
Florus A. Barbour, A.M.
Benjamin L. D'Ooge, A.M., Ph.D.
William H. Sherzer, M.S., Ph.D.
Charles O. Hoyt, Ph.D.
Elmer A. Lyman, A.B.
Samuel B. Laird, A.M.
Dimon H. Roberts, A.M.
Mark S. W. Jefferson, A.M.
Fannie Cheever Burton, M.Pd.
Richard Clyde Ford, Ph.D.
J Stuart Lathers, B.L.
Wilbur P. Bowen, M.S., B.Pd.
Nathan A. Harvey, Ph.D.

Standing Committees

The President is ex-officio a member of each committee.

Lectures and Entertainments—Lathers, Pease, Ford, Harvey.
Library—Hoyt, King.
Advanced Standing—Laird, Jefferson, Strong.
Athletics—Barbour, Roberts, Gorton, Peet, Magers.
Year Book—D'Ooge, Lathers, Harvey.
Student Affairs—King, Burton, Bowen.
Normal News—Lyman, Ford, D'Ooge.
Extra Studies—Jefferson, Strong, Laird.
Teachers' Bureau—Roberts, Sherzer, Hoyt.

Office

Frances L. Stewart, Clerk.....314 Cross St.
Agnes Morse, Stenographer.....208 East Cross St.
Katherine B. Joslyn, Stenographer.....202 Parsons St.
Anna M. Yorks, Stenographer.....914 Cross St.

Superintendent of Buildings and Grounds

John W. Stevens.....509 Ellis St.

The Michigan State Normal College

LOCATION

The Normal College is located at Ypsilanti, Washtenaw County. Ypsilanti is on the main line of the Michigan Central Railroad over which it is readily accessible from all points on the various divisions of the Michigan Central system. The Ypsilanti branch of the Lake Shore & Michigan Southern gives a means of approach from the south and west. The D. J. & C. electric line passes through the College campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

PURPOSE

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement, taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the College. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a Training School of ten grades and kindergarten is conducted.. The law quoted above also provides that, before being admitted, all applicants shall sign a declaration of intention to teach in the schools of the state. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

HISTORY

The Michigan State Normal School was the sixth state normal school in the United States, and the first west of the Alle-

gheny Mountains. The law establishing it was enacted in 1849, and its first class was graduated in 1854. The average enrollment down to 1860 was 297; from 1860 to 1870, 347; from 1870 to 1880, 346; from 1880 to 1890, 537; and from 1890 to 1900, 975. The enrollment for the present year up to April 1 is 2430. Besides this rapid increase in numbers, there has been, during the last few years, a considerable increase in the number of students remaining through the year. Another notable gain has been in the better preparation of students. Since 1890 the number of preparatory students has steadily fallen, while the number of graduates of approved high schools has steadily risen. There has been more than a proportionate growth in the number of teachers, the original number of five having increased to twelve in 1880, and the faculty now reaching a total of 80. The school for a number of years has been doing work of collegiate grade, and the legislature of 1897, in recognition of this fact, authorized the State Board of Education to designate the school, in the courses leading to life certificates and degrees, by the name of Michigan State Normal College. Under the action of the legislature of 1903 the State Board of Education has organized courses leading to the degree of Bachelor of Arts in Education.

GROUNDS

The original site chosen for the School contained a little less than six acres, situated on high ground overlooking the city, which lies in the Huron valley. This was increased by something over an acre in 1893, when a piece of ground lying to the south was purchased for the location of the Gymnasium. In 1895 the city of Ypsilanti purchased and presented to the College about five acres adjoining on the north. Since that time the state has purchased four acres more, and the citizens of Ypsilanti by public subscription have purchased twenty acres more, making a total of nearly forty acres, upon which are located the College buildings, the heating plant, and the athletic field.

BUILDINGS

The original building erected in 1852, was destroyed by fire in 1859 and immediately rebuilt. This second building now stands as the central part of the main building. The front part was added in 1878, the west addition in 1882, the north and south wings in 1888, giving the building as now used the form of [illegible] length of about 300 feet in each direction. The

main building contains over sixty rooms, including class rooms, the assembly hall, the library, the offices of the President, the State Board of Education, the Clerk, and rooms for the Literary Societies.

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LOAN FUND

The State Legislature in 1899 passed an act providing "that five or more persons of full age, residing in the State of Michigan, may associate and incorporate themselves together for the

purpose of establishing loan funds for the benefit of schools, scholars, and students of the state, to assist them to attend the State Normal College at Ypsilanti, the Central Michigan Normal School at Mt. Pleasant, and other State Institutions."

A corporation organized in accordance with the provisions of this Act "shall be under the general management of not less than five or more than fifteen trustees," and "shall in law and equity be capable of taking and receiving real and personal estate, not exceeding twenty-five thousand dollars in the aggregate, for the purpose of its incorporation." (Public Acts of 1899. Acts No. 250, pages 389-391.)

A society has been organized under these laws and a beginning has been been made toward the administration of such a trust. Funds to the amount of over $500.00 have already been acquired, and it is believed that, now that a beginning has been made, large additions will be made to this loan fund.

The Library

The library numbers 30,000 volumes. The accessions are very evenly distributed among the departments, with a fair proportion for general reference books and for literature in a broader sense than the demands of class-room work would require.

The reading room has comfortable seating capacity for 130, but it is often overcrowded. Two thousand five hundred volumes are free of access, and also the current numbers of periodicals and newspapers. These books comprise: (1) General dictionaries, cyclopedias, commentaries, atlases, miscellaneous books of quotations, literary helps and compendia, year books, almanacs, etc., etc. (2) All the bound files of general magazines, with Poole's index, the Cumulative index and the Readers' guide. (3)Public documents, including the Congressional record, Census reports and others most used by the classes in Political science and by the Debating clubs.

The iron stacks of the Library Bureau are used. The Dewey classification is followed. The library is open from 7 a. m. to 5:30 p.m. on school days and from 7 a. m. to 12:00 m. on Saturdays. The stack rooms are well arranged both for convenience and lighting.

Access to the shelves is restricted to students who assist for an hour a day in the library. Students desiring this work apply to the librarian; a regular hour is assigned and promptnese and regularity are demanded. No credits are given for this work; but the free access to the shelves at all times during the day, the knowledge acquired of books and literary work, and certain other privileges, are considered a good equivalent. There are eighty student assistants. No student assistant may work less than two quarters, many work two full years. The librarian meets the new assistants one hour a week for instruction in practical library methods and reference work. Besides the service at the delivery desk, special work is assigned to each student.

The department libraries of from 100 to 500 volumes each, have increased. These constitute an effective addition to the

equipment of the class room for ready and special reference. Several of the departments have special card catalogues of subjects relating to their particular work. These give more complete and detailed reference than would be possible in a general catalogue of the library, and greatly facilitate the research work of the students.

The connection between the library and the Training School is very close. Each grade room has over 100 volumes as a school room library, and every hour many volumes go from the library for supplementary reading and illustrative helps in teaching.

In the reading room are the following current periodicals:

Advocate of peace.
American chemical journal.
American education.
American gymnasia.
American historical review.
American journal of archaeology.
American journal of philology
American journal of physiology.
American journal of psychology.
American journal of science.
American journal of sociology.
American naturalist.
American physical education review.
American political science review.
Annalen der physik.
Annals of American academy of political and social science.
Art journal (London)
Astro-physical journal.
Athenaeum.
Atlantic monthly.
Biological bulletin.
Bird-lore.
Blackwood.
Bookman.
Botanical gazette.
Brush and Pencil.
Bulletin of Amer. geog. society.
Bulletin of Amer. math. society.
Bulletin of bibliography.
Bulletin of geological society of America.
Catholic world.
Centralblatt für physiologie.
Century magazine.
Chautauquan.
Classical journal.
Classical philology.
Classical review.
Contemporary review.
Cosmopolitan.
Craftsman.
Cumulative book index.
Cumulative index to periodicals.
Cumulative book review digest.
Detroit public library bulletin.
Deutsche rundschau.
Dial.
Edinburgh review.
Educational review.
Electrical world.
Elementary school teacher.
Etude.
Euphorion.
Fortnightly review.

Forum.
Gartenlaube.
Geographical journal.
Geographical teacher.
Geologisches centralblatt.
Good housekeeping.
Grand Rapids public library bulletin.
Harper's monthly.
Harper's weekly.
Hibbert journal.
House beautiful.
Index medicus.
International journal of ethics.
International studio.
Johns Hopkins university circulars.
Journal of American chemical society.
Journal of education, New England.
Journal of geography.
Journal of geology.
Journal of pedagogy.
Journal of political economy.
Kindergarten magazine.
Kindergarten review.
Knowledge.
Library index.
Library journal.
Literary digest.
Little folks.
Living age.
McClure's magazine.
Manual training magazine.
Michigan Christian Advocate.
Michigan political science. assoc. reports.
Mind and body.
Moderator topics.
Modern language notes.
Monist.
Musical courier.
Nation.
Nature study review.
Neueren sprachen.
New Education.
New York teachers' monographs.
Nineteenth century.
Normal college news.
Normal instructor and teachers' world.
North American review
Notes and queries.
Outing.
Outlook.
Pädagogische zeitung.
Pedagogical seminary.
Petermann's mitteilungen.
Philadelphia free library list of public documents.
Philosophical review.
Physical review.
Popular astronomy.
Popular educator.
Popular science monthly.
Posse gymnasium journal.
Primary education.
Psychological bulletin.
Psychological review.
Public libraries.
Publishers' weekly.
Putnam's monthly.
Readers' guide.
Recreation.
Review of reviews.
Revue des deux mondes.
Revue internationale de l'enseignement.
Revue pedagogique.
St. Louis public library bulletin.
St. Nicholas.

School and home education.
School arts book.
School review.
School science and mathematics.
Science.
Scientific American.
Scientific American supplement.
Scottish geographical magazine.
Scribner's magazine.
Teachers' college record.
Teachers' magazine.
Teachers' world.
U. S. Bulletin of department of labor.
U. S. Catalogue of public documents.
U. S. Census bulletins.
U. S. Congressional record.
U. S. Consular reports (monthly).
U. S. Consular reports (special).
U. S. Monthly summary of commerce and finance.
U. S. Monthly weather review.
U. S. Smithsonian miscellaneous collections.
Western journal of education.
What's in the magazines.
World's work.
Ypsilanti daily press.
Youths' companion.
Zeitschrift für physikalischen u. chemischen unterricht.
Zeitschift für die reform der höheren schulen.
Zeitschrift für diätetische u. physikalische therapie.

Besides those enumerated above, which are for general use, the following periodicals are taken regularly for the Training School.

TRAINING SCHOOL.

Little folks.....Grades 1, 2 and 3
Kindergarten Review.....Grade 1
Kindergarten magazine.....Grade 2
St. Nicholas.....Grade 4
Popular educator.....Grade 7
Youth's Companion.....Grades 5 and 7
Normal instructor..... Office

The library has been designated a "Remainder Depository" for United States Public documents, which facilitates the procuring from the general government of such documents and reports as are of the greatest value to the College.

Laboratories

BIOLOGICAL

The new science building greatly increases the facilities for biological study. Two large well-lighted laboratories are devoted to zoölogy and botany, while two smaller rooms are reserved for advanced work in these subjects. The laboratories and lecture rooms contain fairly complete collections for illustrative purposes and for systematic study, supplemented with charts and models. The department possesses a full equipment of compound dissecting microscopes, microtomes, tanks and aquaria, and the apparatus and instruments required for modern biological work. The herbarium contains some three thousand five hundred mounted plants from various sections of the United States and Canada. A large greenhouse, an artificial pond and a series of botanical gardens supply much material for study and class-room illustration. A vivarium adjoins the Nature Study lecture room in which are kept for observation the animal forms desired for grade work.

PHYSIOLOGICAL

In addition to the zoölogical collection, which is used in the comparative anatomy, the college possesses a life-size manikin of French manufacture, articulated and unarticulated skeletons, numerous models, special preparations, apparatus, charts, photographs, and lantern slides. A complete series of microscopic mounts has been added during the past year. The State Board of Health liberally supplies the department with its pamphlets relating to the nature, spread and restriction of contagious diseases.

GEOLOGICAL

By means of purchases and donations the department has gotten together good working collections of minerals, rocks and fossils. Fairly complete illustrative collections are being arranged in a special room in the new science building, adjoining the laboratory and lecture room. The laboratory is equipped with all needed instruments, apparatus and supplies for practical

work upon minerals and rocks. Maps, charts, models, a stereopticon with numerous slides, and growing collection of photographs, are used to enrich the class work in geology. A full photographic outfit and dark room are available for those desiring to make use of them. The moraines of the Huron-Erie ice lobe and the series of beaches of the ancient glacial lakes are within easy reach by electric car. The drift of the region furnishes an abundance of common rocks and minerals for individual collecting.

PHYSICAL

In the new science building thirteen rooms are appropriated to the instruction in physics. Of these, five are located on the first floor and include a lecture room, apparatus and preparation room, laboratory and advanced experimental work, dark-room for photometry, and a large dynamo room which is also the laboratory for advanced physical measurements.

On the second floor are seven rooms including the large lecture room, laboratory for physics 1, 2 and 3, two dark-rooms for photometry and photography, two apparatus rooms, the office-library, and shop.

Both lecture rooms are furnished with direct and alternating electric currents, means for darkening the windows, and lantern facilities. A dynamo-accumulator system installed on the first floor supplies the lecture tables with the necessary current for demonstration purposes.

The apparatus collection of the department contains not only the pieces required for the ordinary demonstration and experimental work, but special equipment has from time to time been procured to illustrate wireless telegraphy, x-rays work, electrical resonance, radio-activity, high potential effects; work with high vacua; diffraction, polariscopic and spectroscopic work; lanterning, photography, etc., etc.

The department library consists of nearly 300 important books of reference on the subject of physics and astronomy and excellent sets of charts and portraits of scientists. Also a large collection of astronomical and physical lantern slides.

CHEMICAL

Seven rooms are appropriated to chemistry: A store and dispensing room, a lecture room, a preparatory room, a laboratory for elementary chemistry, a laboratory for advanced chemistry, a combustion room, and a combined balance room and

library, all supplied with the usual equipment for two and a half years of chemical work.

The lecture room is provided with conveniences for lantern-ing, for handling gases on a large scale, and for demonstrating the important laws of chemistry.

The balance room contains 14 sets of balances and weights, 9 of which are good analytical balances. There is an excellent chemical library in this room, much used by students.

The laboratory for advanced chemistry contains a good supply of graduated glassware for volumetric work; a number of drying ovens; a Dumus and a Victor Myer apparatus for the determination of molecular weights; and general apparatus for work in physical and organic chemistry.

The laboratory for the work of the first year is especially large, commodious, and well supplied with fittings and apparatus for working out or verifying the principles of the science.

ASTRONOMICAL

The astronomical laboratory consists of an open-air observa-tory upon the top of the science building; an eighteen foot Warner and Swasey dome for the Alvin Clark and Sons' equato-rial; a transit room for the Bandis transit, the Negus chronome-ter and the small chronograph; and a draughting and store room for astronomical photographs, transparencies, charts, etc.

TEACHERS' LIBRARY

The Natural Science department has accumulated the nu-cleus of a teachers' library of texts, guides, helps and supplemen-tary readers. This now includes important works relating to zoölogy, physiology, botany, and geology. Pupils and visiting teachers who desire to make a comparative study of texts, or to learn what is available in these subjects, are cordially invited to make use of this library. The general library is supplied with the important books of reference, periodicals, manuals and ad-vanced texts, relating to the natural sciences.

Societies and Clubs

THE ALUMNI

Since the Normal was opened in 1853 there have gone from it 5718 graduates, the great majority of whom have taught in the schools of our own and neighboring states. Over 1900 have been graduated in the last five years, and the greater part of these have been engaged in teaching in Michigan. Individually, these alumni of the institution exert a considerable influence in determining the educational policy of the state with which the interests of the Normal College are inseparably connected. Until recently there has been very little movement towards organization, but within the last few years a marked increase in this direction has been noticeable. There have also been of late more and larger alumni reunions, and a considerable number of local organizations have been formed.

THE ALUMNI ASSOCIATION

This association has been in existence for many years. The feeling which has been growing of late years that a stronger central organization was needed led to its reorganization in 1905 and resulted in placing it upon a permanent basis. In the two years since 1905 much has been accomplished towards perfecting the association into an active working force and the membership has reached several thousand. An arrangement exists whereby the Normal College News is made the official organ of the association and the manager of the News also becomes the general secretary of the association. The membership fee and the News subscription are the same (one dollar) and either includes the other. All graduates and former students and members of the faculty are eligible to membership. The payment of twenty-five dollars in five yearly payments of five dollars each entitle to life-membership.

For the present the work of the association is outlined along the following lines: 1. The compilation of an alumni directory which shall contain as nearly as possible the names, addresses and vocations of all the graduates and former students of the

College, together with such other information concerning them as tends to show the character of the College work by the actual life-work of its graduates. 2. The holding of College reunions wherever feasible, at teachers' institutes, State Association meetings and at the College at Commencement time. Special emphasis is placed on the reunions held in connection with the meeting of the State Teachers' Association. At the one held at Battle Creek in October 1906, nearly 1000 requests for banquet tickets were received. Decennial reunions of former classes are held at Commencement time in addition to the general meeting. Classes of 1857, '67, '77, '87, '97, will be held in June 1907. Classes of 1858, '68, '78, '88, '98, will be held in June 1908. 3. The organization of county alumni clubs, whose purpose it shall be to foster in every way possible the interests of the College. The nuclei for these clubs are now being formed in College by the organization of county clubs among the students now in school. 4. The dissemination of items of interest about the College and its graduates through the columns of the Normal College News, keeping alive interest in the College and the Association.

The officers of the Association for the year 1906-7 were W. N. Lister, '89, president; Eunice Lamble Hatch, '91, vice-president; R. M. Reinhold, '04, general secretary; Marna Osband, '93, recording secretary. The executive committee consisted of W. F. Lewis, '87, Fannie Cheever Burton, '84, Ronald V. Kelley, '63.

The Association is a great active force for good and deserves every encouragement. Correspondence giving information about former students or members of the faculty is desired and should be addressed to the Alumni Secretary, care of the College.

THE CONSERVATORY ALUMNI ASSOCIATION

This association was formed in the spring of 1897. Each year a reception is given immediately following the Commencement-week concert of the Ypsilanti Choral Society. Visiting alumni, the Conservatory juniors, and members of both Conservatory and College faculties are invited. The opportunity for Conservatory graduates to meet and renew interest in one another and in the work, and to make the acquaintance of new members among the alumni is one greatly appreciated.

It is the intention to hold one of these receptions every year. The association has members not only in many states of the union, but others perfecting themselves in musical studies beyondthe sea.

THE ATHLETIC ASSOCIATION

The athletic interests of the school are managed by a joint committee, representing the Faculty and the Students' Athletic Association. This method of supervision creates confidence in its affairs. A new athletic field, large and well graded, furnishes ample opportunity for practice of the usual outdoor sports. The various clubs and teams are trained under the supervision of the department of Physical Education, the work of the men forming a part of the regular work of the department, as outlined in the Department notes.

Training work in outdoor athletics is in charge of a special coach, who also acts as assistant in the department.

In the gymnasium, which is one of the most convenient in the state, bathing facilities, lockers, etc., are furnished without expense to students.

Each student contributes one dollar per year for the support of the association and is thereby entitled to a season ticket to all the outdoor games. The affairs of the association are in a flourishing condition, and its work contributes much to the formation of a loyal college spirit, besides affording good, healthy exercise and entertainment for our student body.

STUDENTS' CHRISTIAN ASSOCIATION

This organization consists of two societies—the Young Women's Christian Association and the Young Men's Christian Association. Both are in a prosperous condition and hold two meetings a week—a union prayer service on Wednesday evening, and separate meetings on Sunday afternoon.

Bible study is strongly emphasized, and intelligent interest in missions is awakened. Starkweather Hall, the gift of Mrs. Starkweather, of Ypsilanti, is the center of religious interest in the College.

An employment bureau is connected with the association. Its aim is to aid students in finding some kind of remunerative service, whereby a portion of their college expenses can be defrayed.

SHAKESPEARE CLUB

A class, studying Shakespeare with Miss Pearce, organized in 1897, a club for the purpose of continuing painstaking, critical study of the works and life of Shakespeare. The purpose of the original organization is still the purpose of the club. Intensive

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rather than extensive study has been preferred by the members. Each year two of Shakespeare's plays are studied, special attention being given to the origin, structure and development of the plot. The study of the characters also adds much to the interest of the work. The club holds its meetings semi-monthly, and the work for the evening is arranged by some member appointed as leader. The membership is limited and admission to the club is granted only by invitation.

GERMAN CLUB

This is an organization designed to give the students of the German classes an opportunity to cultivate a facility in German conversation. Interesting programs of an informal nature are carried out by the members. Meetings are held every two weeks, on Friday evenings, from six-thirty to seven-thirty o'clock.

THE YPSILANTI CHORAL SOCIETY

The Normal Choir, which has been in existence ever since the beginning of the Normal School itself, has been lately merged into the Ypsilanti Choral Society—a change that has resulted in renewed interest in musical matters, and has also had the desirable effect of bringing into the chorus many singers of the city. By commencement time, twelve concerts will have been given.

At commencement, Scene I of Elgar's cantata. "The Black Knight" and Gade's "The Erl-King's Daughter" were given, assisted by Mr. William Lavin, tenor; Prof. William Yunck's String Quartette, with Miss Ruth Putnam, Piano, and Prof. F. L. York, Organ. The Chorus and Quartette, "When the Heart is Young," composed by Frederick H. Pease, also formed a part of the program.

On March 11th the annual concert was given in Normal Hall. Three notable works were rendered by the society, Frederic H. Pease, Conductor, accompanied by the Chicago Symphony Orchestra, consisting of sixty players. The works rendered on this occasion were: Rossini's "Stabat Mater," with Mrs. Marie Zimmerman, soprano, of Philadelphia, Miss Elaine de Sellem, contralto, of Chicago, Mr. E. C. Towne, tenor, of Chicago, Dr. Hugh Schussler, bass, of Chicago, Miss Ruth Putnam, pianist, and Miss Frances Strong, organist; a selection by the Chicago Symphony Orchestra, a Ballad—"The Pilgrimage to Kevlaar," by Humperdinck, sung by the Ypsilanti Choral Society, with

soprano and tenor solos by Mrs. Zimmerman and Mr. Towne; and Elgar's "The Challenge of Thor," by the Ypsilanti Choral Society.

THE LITERARY AND ORATORICAL SOCIETIES

The organization of the Normal Lyceum dates back to the early history of the school. It consists at the present time of the Olympic, Athenaeum and Crescent societies. Each of these societies is limited to a membership of forty. The work is of a general literary character, consisting of readings, recitations, essays, orations, music, etc., and is practically the same in each society. During the year the societies give two joint public programs in Normal Hall, electing for participants on this occasion their most faithful and capable members. Each society has a room of its own, tastefully furnished and provided with a piano.

The Oratorical Association, both in purpose and organization, is closely allied to the Lyceum. The societies contribute to the support of the Oratorical Association. During the past year the association has distributed prizes to the value of one hundred and fifty dollars in the annual oratorical contest and debate.

In connection with these organizations should also be mentioned the Webster, the Lincoln, the Portia and the Minerva debating clubs. These clubs are limited to sixteen members each, and are organized purely for the purpose of debate. The work is done under the supervision of the department of Reading and Oratory, and has proved very valuable for those who wish to perfect themselves in public speaking.

The Normal College News

The Normal College News is a weekly newspaper published during the school year. It was established four years ago and since that time has had a rapid growth, developing from a small 8-page pamphlet form to an ordinary 8-page, 5-column newspaper. During the year 1906-7 a fully equipped printing plant, devoted exclusively to the publication of the paper, has been installed in the west wing of the main building.

The News is the official organ of the Alumni association and of the various student societies. It is edited and managed by members of the student body under the direction of a member of the faculty and an advisory board of the College council. Students who have shown literary ability are here afforded excellent opportunity for training in journalistic writing. Opportunity is also afforded a limited number of students for earning all or part of their expenses by working in the printing department, such as setting type and folding, wrapping and mailing papers. The News has proved a powerful factor in uniting all college interests and keeping the members of the alumni body in touch with the College. It is also a valuable factor in the institution in reporting lectures and in printing and circulating announcements regarding school work.

The Western Journal of Education

The Western Journal of Education is published monthly during the college year by the College. It is edited by a committee of the College Faculty and aims to extend the influence of the institution to teachers everywhere by providing them with the best approved pedagogical thought of the day. Its articles are published solely with this end in view and are uninfluenced by commercial reasons. The Journal circulates mostly in Michigan and neighboring states but it is rapidly becoming national in this respect and is making its influence felt wherever it goes. The list of contributors includes many of the strongest educational writers in the country. Among those in addition to members of the College Faculty who are now

contributing articles are Professor C. W. Burkett, North Carolina College of Agriculture and Mechanic Arts; Professor J. F. Church, University of Nevada; Professor M. G. Brumbaugh, University of Pennsylvania; Professor John E. Lautner, Northern Michigan Normal School; Professor Elliot Downing, Northern Normal School; Superintendent C. L. Van Cleve, Mansfield, Ohio; Professor C. S. Larzalere, Central Michigan Normal School; Professor Charles Coar, Marietta, Ohio; Dr. C. E. Boys, Kalamazoo, and many others.

Extensive plans for the coming year are being made to make the Journal of exceptional value to teachers and others interested in educational work. The subscription price is one dollar a year.

Normal College Extension Lectures

The State Normal College hopes in the future to be helpful in developing and improving the educational work in city, village and rural communities, by allowing its faculty members to give single lectures or courses of lectures at educational and social meetings. Members of the faculty of the College, so far as their regular work will allow, will give lectures as indicated below. The only charge made for these lectures will be necessary railroad and hotel expenses. The occasions will include addresses to high school students, grange meetings, farmers' clubs, lecture associations and literary societies, in cities, villages, or rural communities. The most convenient dates are, of course, Friday evenings and Saturdays. Normal College professors also give Commencement addresses and do Institute work for which regular charges are made.

Persons wishing to avail themselves of these extension lectures should write the president, expressing their preferences, when some member of the faculty will be assigned to the date. Especial attention will be given to Alumni clubs throughout the State. Under such extension lectures the following courses are offered:

President Jones—

Young People I Have Known and What Became of Them.
The Teaching of Patriotism a National Duty.
Eminent Educators I Have Known.
The School and the Child.
Consolidation of Rural Schools an Educational and Social Necessity.
Ideals the Basis of Character Development.
Some Social Conditions Which Need Improving.

Professor S. B. Laird—

Twentieth Century Education.
Scope and Value of an Education.
Adolescence.
School Discipline.
Abnormal School Fatigue and How Partly Eliminated.

Professor C. O. Hoyt—

Pestalozzi, the Swiss Reformer.
Froebel and the Kindergarten.
Our Educational Inheritance.
Thomas Jefferson as an Educator.
"The Great Stone Face."

Professor F. A. Barbour—

The Educative Value of Language Study.
The Educative Value of Music.
Can Literature be Taught?
Principles Underlying English Composition.
The Imaginative Reading of Shakespeare.

Professor Benj. L. D'Ooge—

Recent Educational Movements.
The Successful Teacher.

The following lectures are illustrated with the stereopticon. There will necessarily be an additional charge for lantern and operator unless these are furnished by the locality.

The Rise and Development of Greek Art.
Athens in the Days of Pericles.
Tours in Greece.
Rome in the Days of the Caesars.
The Roman Forum.
Classic Sites in Sicily.
Life in Ancient Pompeii.

Professor R. C. Ford—

Some Demands of the New Century.
A Boy's Trip to the Orient.
What I saw in the German Schools.

Professor E. A. Strong—

The Life and Work of Galileo.
The Life and Work of Newton.
Recent Views of the Constitution of Matter.

Lantern lectures, at an expense of $20.00 each, on—

The Moon in Science, Song and Story.
Astronomical Observatories and Observers.

Assistant Professor F. R. Gorton—

The Forces of Nature. Illustrated.
The Properties of Matter.

Assistant Professor B. W. Peet—

Food Values. Illustrated.
The Adulteration of Foods.

Professor E. A. Lyman—

Historical Sketch of the Origin of Arithmetic, Illustrated by old texts.

Historical Origin and Development of Measures of Length, Weight, Time, etc.

Professor M. S. W. Jefferson—

Russia and Japan.

The Argentine Republic.

Winds and Climates.

Norway.

Professor Nathan A. Harvey—

Popular Scientific Lectures, Illustrated:

Beside the Still Waters. A lecture on Microscopic life.

The Psychology of Insects.

The Cecropia Moth and Other Moths.

Extinct Animals.

The Growth of Plants.

Everyday Chemistry. Illustrated by experiments.

Pedagogical Lectures:

Periods of Child Growth.

The Public School in the Light of New Demands Made Upon It.

The Course of Study.

The Theory of Play.

Professor Dimon H. Roberts—

Does Education Pay?

Our Debt to the State.

Elements of Success.

Character Building.

Is Our School Course Overcrowded?

The Culture Element in Education.

Professor J. Stuart Lathers—

Macbeth—A lecture recital.

Julius Caesar—A lecture recital.

Meandering in a Library.

A miscellaneous reading recital.

The Normal Lecture and Music Course

During the season of 1906-1907 the following entertainments were given in the College Hall, under the auspices of the College Faculty. Tickets to these entertainments are sold at as low a price as is consistent with paying the expenses of the course.

Oct. 30—Frederick Warde.
Nov. 14—Lincoln Steffens.
Nov. 26—Charles E. Townsend.
Jan. 28—F. Hopkinson Smith.
Feb. 28—William A. Quayle.
Mar. 11—Chicago Orchestra—Matinee.
Mar. 11—Normal Choir Concert.
Apr. 12—George R. Wendling.

In addition to the lectures given in the regular course speakers of note are frequently secured to address the students at chapel, or on other occasions.

General Items

DISCIPLINE

The State Normal College is supported by the taxpayers of Michigan, and is responsible to the state for the character and scholarship of those it sends out to teach in the public schools. The administrative authorities have therefore adopted the policy of asking such students as are found not to be adapted to school work to withdraw from the institution. Students who fail to pass in a large part of their work, or whose character and habits are such as to unfit them in any sense for the important work of teaching, cannot expect to complete the course and receive the sanction of the authorities of the institution. Every effort will be made to encourage, direct and assist all worthy students, but those who do not show promise of good results or are otherwise unfit to go into public schools as teachers, will be asked to withdraw.

THE TEACHERS' BUREAU

The Teachers' Bureau consists of a committee of the Faculty, which seeks to place each graduate of the institution in the position best adapted to his qualifications. These qualifications are determined by a careful examination of the student's complete record as shown by his work done not only in the Training School but also in the various departments of the College. The bureau seeks in this way to do full justice to every student, and is able to give exact and discriminating information to school officials seeking teachers. During the current year the work of the Bureau has been extended to include all graduates of the College teaching in the state, with the view of giving them all possible assistance in advancing their professional interests. Full and confidential information will be sent school officials concerning candidates. It is our policy not to send out general letters of recommendation for indiscriminate use, but to recommend a candidate for the particular position that he is qualified to fill. A large number of the members of the graduating class have had considerable experience in teaching besides that obtained in the Training School. There are among our students and graduates persons admirably fitted for the various high

school principalships and superintendencies. School authorities are invited to visit Ypsilanti and see the students at work, and make selections of teachers after a personal interview. All letters of inquiry will receive careful attention.

During 1907-8 the Bureau will consist of the following: Professor Dimon H. Roberts, Professor William H. Sherzer and Professor Charles O. Hoyt.

School Fees

Every student is required to pay at the beginning of each quarter, or upon any subsequent entrance for the quarter or for any part of the quarter, an entrance fee of three dollars ($3.00). This is not returnable because of withdrawal after the student has once regularly entered.

Students in the Conservatory of Music who carry subjects in the Normal courses, pay the same entrance fee as do others. Conservatory students who take private lessons only pay each quarter an entrance fee of one dollar and a half (1.50).

Every student is required to pay one dollar for the support of the Athletic Association, and receives in return a season ticket to all the games.

At the Gymnasium a deposit of 25 cents is required for the use of a locker key, upon return of which the money is refunded.

Laboratory fees will be collected in amounts varying from twenty-five cents to one dollar, according to the subjects taken

Rooms and Board

The school provides no dormitories. Abundant and usually convenient rooms may be had at reasonable rates in the homes of the citizens of Ypsilanti. Board and rooms may be had in the same family or separately. The latter is perhaps the more ommon. Rooms may be rented, furnished or unfurnished, by ersons who wish to board themselves. Board alone may be ad either in clubs or in private families. Board and room in milies costs $3 to $4 per week. Fuel and lights are generally ounted extra. Rooms alone, furnished for two, may be rented or 75 cents to $1.50 each per week. Students rooming alone pay double rent or nearly so. Board in clubs may be had for $2.00 to $2.75 per week.

Where economy is practiced, necessary expenses, including n, meals, school fees and laundry may be estimated as fol-

Estimated Total Expenses per Term of 12 Weeks

Room and board, twelve weeks	$36 00
Fuel and lights	6 00
Laundry	6 00
Books and stationery	7 00
Registration and other fees	5 00
Total	$60 00

Accepted Schools

Recognizing the importance of a permanent connection between the secondary schools of the state and the Normal College, the Board of Education has adopted a plan whereby formal recognition is given to the work done by the public school system of Michigan. The following extracts from the minutes of the Board explain fully the new policy:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in this state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the College, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public-school systems having not less than thirty-six weeks per year, in which four years are devoted to high-school work, be admitted to the regular two-years' life certificate college course without examination.

2. That all pupils who have finished not less than two years of high-school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on the course for all work which they may have already done beyond the first two years of the high-school course. Students are urgently advised, however, to complete the high-school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the College.

3. That all pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, in the discretion of the Faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily completed on first trial; and that all such cases be reported back to

the high schools from which they come, with the fact in each case, to the end that the superintendents and principals of high schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination may in the discretion of the Faculty be withdrawn from graduates of such schools."

SUGGESTIONS TO HIGH SCHOOLS

The following suggestions are offered to high schools:

1. To such as are accepted, that they may maintain the required standard of work.

2. To such as are not accepted, that they may give proper preparation to their students in such of the prescribed subjects mentioned below as their limited resources enable them to offer.

Botany

The work desired in this subject should cover half a year and be such as is now being done in the better high schools of the country with the use of some of our modern texts. Laboratory methods should be employed, and a set of carefully prepared notes and drawings should be kept. No expensive equipment is needed, the ordinary hand magnifiers being sufficient. About half the course should be devoted to the study of typical seeds, their structure and germination, plant physiology from simple experiments, and the structure and function of root, stem and leaf. The other half of the course should aim to give the pupil a practical acquaintance with the chief characteristics and relationships of the common families of plants and secure for him some facility in the use of a standard key.

English

GRAMMAR.—Thorough familiarity with inflections, the rules of syntax, and the logical structure of the English sentence is essential. The ordinary eighth grade study of grammar is an inadequate preparation for the teachers' course in the Normal College. There should be a term's review of this subject in the latter part of the high school course.

RHETORIC.—A study of the elementary principles of style, together with continued practice in composition, is necessary. It is deemed of special importance that the writing of high

school students should, for several years, come under the eye of expert, authoritative criticism. Much practice in writing, under competent supervision, is indispensable.

ENGLISH LITERATURE.—A year's study of representative English classics, connecting the study of each classic with the literary characteristics of the historical period to which it belongs, is essential. The course should include an elementary course in the history of English literature, and a year of study in addition to the so-called English classics required in all courses.

History

Only those subjects which have a practical bearing upon the teaching of our National History are necessary; these are English history and United States History with civics.

General history, though not considered essential, should always find place among high school subjects.

The order is determined by the nature of the subjects. General history precedes and prepares the way for the others. English history affords an intelligent basis for United States history, while civics springs from history, and is best understood when studied as a phase of it. One semester of English history, taught with direct reference to our national history, followed by two semesters of United States history with civil government, will give an adequate course.

Good, accurate text-book work, supplemented by the use of maps, pictures, reprints and reference books, will best serve the purpose of the high schools.

Mathematics

ALGEBRA.—The course in Algebra should include fundamental rules, fractions, simple equations, involutions, evolution, radicals, and quadratic equations.

ARITHMETIC.—The work in this subject should consist of a semester's review covering the leading topics, and should be preceded by a course in algebra.

GEOMETRY.—The study of geometry should occupy at least one year, and should cover plain and solid (including spherical) geometry.

Physics

An improved course in physics implies the possession, on the part of the school, of sufficient apparatus, in good working order, to demonstrate the important laws and principles of ele-

mentary physics. At least one year, *following geometry*, should be given to this subject. The meter and centimeter and their squares and cubes, the gram, kilogram and liter should be thoroughly taught and much used. For this purpose it is preferred that other terms sometimes found in this system be not used. In addition to the above, a laboratory course of at least forty weeks, an hour per week, is expected in case an equipment for this purpose can be secured, and the time of the teacher be devoted to this subject for the hour, so that the laboratory work may be efficiently supervised. Graphical work, using geometry freely, is deemed important.

In purchasing apparatus many simple, inexpensive pieces should be preferred to costly and showy pieces, and working apparatus to illustrative apparatus. Special regard should be had to the effective demonstration of *fundamental principles* as opposed to novelties and curiosities. The list for purchase should be made up from the text-book used, and not principally from dealers' catalogues.

The student should become expert in the use of scales, dividers, the balance, burette, thermometer, barometer, tuning fork, and pocket lens.

Special stress should be placed upon fundamental concepts, such as mass, weight, density, energy, and the units of measurement.

The above hints are given to indicate a minimum course in physics and not to suggest any limitation of the work on the part of those schools which can do more.

Physical Geography

In the teaching of physical geography it is now not only desirable, but also possible to carry out some of the recommendations of the Committee of Ten. At the time when the report was issued not only were there no suitable texts, but the necessary literature was so widely scattered as to be of little value to the average teacher. The new texts and available references that have appeared since that date justify the recommendation that some of the suggestions of the committee be now more generally put into practice.

It is also especially desired that the work be supplemented as far as posible by direct observation, and the construction and use of topographic and relief maps, charts, models, etc. This work may be made very valuable in the study of the atmosphere and weather changes. The "Physiographic Folio," recently is-

sued by the United States Geological Survey containing the topographical maps of ten type regions, suggests the use to which these maps may be put in the teaching of physical geography.

The text is no longer sufficient material to place in the hands of pupils. Students and teachers should have access to a few well selected references in addition to the above-mentioned charts, maps and models. Geography, along with chemistry, physics and botany, has now come to demand its laboratory and laboratory work.

Such text-books as Davis, Tarr and Dryer are to be recommended. A full year's work is highly desirable.

Physiology

A half year's work with some good text, as Blaisdell, or the revised Martin, should be given to this subject. The text should be supplemented with simple individual or class experiments, and an equipment of preparations, models, and charts should be provided.

Conditions of Entrance

ENTRANCE WITHOUT EXAMINATION

Students who are college graduates, or graduates of accepted high schools (see p. 40) will be admitted to the College courses (see p. 48) without examination.

Students who have completed the first two years of the course of an accepted high school will be admitted to the Two Years' Preparatory College Course (see p. 49) without examination.

Students who hold first grade certificates properly endorsed will be admitted to the Two Years' Preparatory College Course (see p. 49) without examination. Such as hold a state certificate **will be admitted without examination to the Two Years' Col**lege Life Certificate Course (see p. 49). Holders of these two **classes of certificates, who have done work in advance of the entrance requirements and who wish credit for the same on their course here will be given examinations in such subjects as they desire to pass.**

All students entering without an examination should bring standings from their school as evidence of their fitness to enter upon work here.

The conditions of entrance upon the Rural School Course and the Three-Year Certificate course are defined on pages 59-60.

Entrance Examinations

Students coming from non-accepted high schools, or whose entrance credits are otherwise unsatisfactory, will be examined. Such as fall below the requirements for admission to the Two Years' Preparatory College Course (see p. 49) will be classified **in the Ninth or Tenth Grade of the Normal Training School, from which they may pass in regular order to the course above mentioned. Candidates for this preparatory work will be examined in the following subjects:**

Arithmetic

The applicant is supposed to have completed the work of some good text. A fair understanding of the subject is necessary for the examination.

Algebra

The preparatory work includes the following topics: addition, subtraction, multiplication, division, factoring, highest common factor, lowest common multiple, fractions, and simple equations involving one or more variables.

Grammar

This should include the parts of speech, their use and relations in connected discourse, and the structure and analysis of sentences. The knowledge and understanding of the subject should be somewhat above that required in the first eight grades of the public school or fully equal to the requirements in this branch for a second grade license to teach. The applicant should also have had, accompanying his reading and language lessons, much practice in composition, and be able to express himself in clear and grammatical English.

Reading and Orthoepy

Correct pronunciation being an essential of good reading, the regular course presupposes a thorough knowledge of orthoepy. The applicant should not only be able to indicate by diacritical marks the correct pronunciation of words in common use, but should possess a good degree of facility in pronouncing them, as to syllabication, accent, articulation and quality. He will also be expected to render intelligently any ordinary selection of prose or verse, giving satisfactory reasons for emphasis, quality, force, pitch, etc., employed by him.

Geography

All candidates should be familiar with the location and extent of the great countries of the world, of some of their greater cities, and best known mountains, rivers, lakes and adjacent seas.

They should thoroughly know the shape of the outline and of the general surface of each continent and its position on the globe.

The selection of topics for study should be governed by their importance to civilized man rather than by their picturesque or temporary interest.

United States History

The requirements for admission to the regular course are fully equal to those for a second-grade certificate. The applicant is supposed to have completed some good text, and to have acquired a ready knowledge of the main facts in their causal relations, and to be able to use them intelligently.

Civil Government

The teachers' course being only twelve weeks, the requirements for admission will be somewhat rigid. The examination will cover fully and in detail a good text-book, in both general and state government.

Physiology

Applicants should have a familiar knowledge of elementary physiology and hygiene. Such knowledge may be obtained from any of the better high-school texts when they are suitably supplemented with practical work and class demonstration. The student should know that his information is definite, and he should be ready to present simple drawings and diagrams.

Courses of Study

Admission

Students may be admitted at the opening of any quarter.

The several quarters begin near the first Monday of October, January, and April, and continue for twelve weeks. (See calendar p. 6).

The conditions under which a student enters will determine the course of study to be pursued. (See p. 45).

By noting the following courses the student will be able to ascertain the character of the work he is prepared to do.

Courses Offered

TWO YEARS' PREPARATORY COLLEGE COURSE

Students who have finished the first two years of an accepted high school course are admitted without examination and are classified on a two years' preparatory course (see p. 49) **leading to the college courses described below.**

COLLEGE COURSES

The State Normal College offers the following courses of study?*

I. The Two Years's College Life Certificate Course (see p. 50).

NOTE—This with the Two Years' Preparatory College Course constitutes the Four Years' Life Certificate Course.

II. The Three Years' College Course (Junior Degree Course) leading to a Life Certificate and the degree of Bachelor of Pedagogics (see p. 56).

*For the special course for Critic Teachers, the Specializing Kindergarten Primary Course, the Manual Training Course and the Course in Domestic Science see pp. 130-134.

NOTE—The first two years of this course are identical with the Two Years' College Life Certificate Course.

III. The Four Years' College Course (Senior Degree Course) leading to the degree of Bachelor of Arts (see p. 56).

NOTE—This course secures the Life Certificate, the degree of B.Pd., and the degree of A.B.

Description of Courses

THE TWO YEARS' PREPARATORY COLLEGE COURSE

This course (see p. 54) is strictly preparatory, covering **substantially the ground embraced in the last two years of the ordinary high school course. Students who have completed no less than two years of work in an accepted high school may enter on the course without examination, and any work already done beyond two full years of high school work will be credited. In case a subject included in the course has already been taken as part of the first two years of high school work, such subject may be omitted by permission of the head of the department concerned, and an elective from a department taken instead. Such omission shall not, however, reduce the amount of work required for the completion of the course—the elective merely taking the place of the omitted subject.**

This course when followed by the Two Years' College Life Certificate Course (see p. 55) constitutes the Four Years' Life **Certificate Course.**

THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

This course (see p. 55) is designed primarily for graduates **of accepted high schools. Such graduates on entering may take either a *general* or a *specializing* course.**

GENERAL COURSE.—Students taking the General Course must take Elementary Drawing and as electives such required high school subjects (see p. 53) as were not completed in their high **school course. Further, eight teachers' courses are required** (see p. 52 and at least 12 weeks of electives must be drawn **from each of the following departments: English, History, Geography, Natural Sciences, Physical Sciences, Mathematics (see Electives for Students on the General Course, p. 51).**

SPECIALIZING COURSE.—Students wishing to specialize in any department will find full liberty within this course. The head of the department in which the student specializes becomes the student's patron. Under the guidance of his patron the student enters at once upon his special line of work and is not required to take omitted high school subjects. He will omit elementary drawing, take but six teachers' courses (see p. 52) and select 12 electives in such departments as his patron shall advise.

The restrictions and regulations governing these two courses leading to the life certificate are further detailed as follows:

Required Subjects

The following subjects are required of all students on the Life Certificate Course:

Psychology		24 Weeks
General Method		12 "
History of Education		12 "
Teachers' Courses	General Students	96 "
	Specializing Students	72 "
Teaching		24 "
Physical Training (no credit)		48 "

The first three subjects named should be taken in the order given above, except by persons on partial courses.

High School Subjects Required of all Students not Specializing

The high school subjects which must be credited from accepted schools, or taken as electives here unless a student is specializing, include the following:

Algebra	24 Weeks
Geometry	36 "
Rhetoric and Literature	36 "
English and United States History	36 "
Physical Geography	12 "
Botany	24 "
Physics	36 "
Physiology	12 "

No further credit will be given for the subject taken in a high school and repeated here.

The Two Years' College Life Certificate Course, whether general or specializing, cannot be shortened by high school credits. It may be shortened, however, by credits from a college, but not to exceed 144 weeks.

Electives for Students on the General Course

Students on the general course must choose 12 weeks of electives from each of six departments (see p. 49). This requirement they will satisfy first of all by the election of omitted high school subjects (see last paragraph, p. 50. To such as have finished the required high school subjects the following electives in the several departments are recommended:

ENGLISH.
- Principles of Criticism 1 (1)*

GEOGRAPHY.
- Teachers' Geography
- General Geography

HISTORY.
- Advanced American History (10)
- Nineteenth Century History (4)
- Advanced English History (9)

MATHEMATICS.
- Trigonometry (13)
- Higher Algebra 1 (14)

NATURAL SCIENCE.

BOTANY.
- Cryptogamic Botany (4)
- Plant Physiology (5)
- Plant Ecology (6)

ZOÖLOGY.
- Animal Studies (9)
- General Zoölogy (10)
- Vertebrate Structures (11)

PHYSIOLOGY.
- Advanced Physiology (14)
- Bacteriology (16)

GEOLOGY
- Dynamical Geology (18)
- Historical Geology (19)
- Glacial Geology (20)

PHYSICAL SCIENCE.
- Chemistry 1 (5) and 3 (8)
- Physical Laboratory Practice (19)
- Advanced Physics 1 (14), 2 (15) or 3 (16)

*Figures in parenthesis refer to the courses thus numbered in the different departments. See p. 69 ff.

Astronomy (7) or Chemistry of Common Life (4) may be taken if the student has had a strong course in Physics.

Teachers' Courses*

Students on the general course are required to take *eight* Teachers' Courses.

Students who are specializing are required to take *six* Teachers' Courses.

These will be selected from the following list:

1. Arithmetic.
2. Civics.
3. Drawing.
4. Field Geography.
5. Geography.
6. Grammar.
7. History.
8. Music.
9. Physical Education.
10. Physiology.
11. Primary Nature Study.
12. Reading.
13. Secondary Nature Study.
14. Teachers' Course in Ancient Languages.
15. Teachers' Course in Modern Languages.

Each course contains 12 weeks. Courses 14 and 15 are open only to students specializing in languages. The right is reserved to assign to any student a particular teachers' course should his work show special need for it.

* For Teachers' Courses required for the Three-Year Certificate, see page 59.

SCHEDULE OF COURSES

TWO YEARS' PREPARATORY COLLEGE COURSE

	First Year		Second Year	
FIRST TERM	Algebra	12	Solid Geometry	12
	Rhetoric	12	Physics 1	12
	English History 1	12	English Lit. 1	12
	*Elective	12	Elective	12
			†Physical Training 1	
SECOND TERM	Plane Geometry 1	12	Electives	24
	English History 2	12	Physics 2	12
	Structural Botany	12	English Lit. 2	12
	*Elective	12	†Physical Training 2	
THIRD TERM	Plane Geometry 2	12	Physics 3	12
	Systematic Botany	12	Electives	24
	Elective	12	Am. Pol. History	12
	Physical Geography	12	†Physical Training 3	

*Students that have had no foreign languages are advised to elect at least two years of Latin, German, or French.

†Four terms of Physical Training are required of all students before graduation.

TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

	Third Year		Fourth Year	
FIRST TERM	Psychology 1	12	Elective	12
	Teachers' Courses	24	Teachers' Course	12
	*El. Drawing 1	12	Teaching or electives	24
	†Physical Training	4		
SECOND TERM	Psychology 2	12	Teachers' Course	12
	Teachers' Course	12	Hist. of Education	12
	Elective	12	Teaching or electives	24
	*El. Drawing 2	12		
THIRD TERM	General Method	12	Teachers' Courses	24
	Teachers' Course	12	Teaching or electives	24
	Electives	24		

*Not required of students on the specializing course.

†Four terms of Physical Training are required of all students before graduation.

Graduation and Degrees

1. A life Certificate and Diploma will be granted to all persons completing the Four Years' Life Certificate Course (see p. 48 or the Two Years' College Life Certificate Course (see p. 48).

2. The degree of B.Pd. will be granted upon the completion of the Three Years' College Course (see p. 56).

3. The degree of A.B. will be granted upon the completion of the Four Years' College Course (see p. 56).

MASTER OF PEDAGOGICS

Provisions are made for taking the Master's degree as follows:

Any one holding the degree of Bachelor of Pedagogics from the Michigan State Normal College, may, upon application, receive the corresponding Master's degree (M.Pd.) upon the following conditions:

1. He shall furnish evidence satisfactory to the Faculty that he has been engaged in teaching or in school supervision continuously and with pronounced success for five years since receiving the Bachelor's degree.

2. He shall prepare and present a thesis acceptable to the Faculty, upon some subject connected with the history, science, or art of education; the Faculty reserving the right to assign the subject of such thesis.

Partial Courses

Teachers wishing to prepare for the examination for state teachers' certificates may enter any class for which they are fitted without taking one of the regular courses. Furthermore, teachers of some experience and fair scholarship who wish to add to their skill as instructers in special subjects, or grades of subjects—as, for example, high school English, drawing in the grades, music, physical training, science, history, foreign languages—are admitted to such studies as they choose, subject, however, to the direction of the President and heads of departments concerned. In such cases the work done is credited on the books but leads to no certificate, unless one of the full courses is completed.

Persons wishing to take up special studies are subject to the same conditions of admission as other students. (See p. 45).

Many students for various reasons are not able to complete one of the regular courses without interruption. To these no credits once earned are lost, and there is no objection to their continuing and completing the course at any subsequent time.

Limited Certificates

Besides the regular courses outlined in the preceding pages, there are two forms of limited certificates given for partial courses.

I. Three-Year Certificate Course

A *Three-Year Certificate*, renewable for three years, will be given upon the completion by high school graduates of fourteen courses of work, as specified below. This will require one year and one summer term of work. The certificate is good in grades below the tenth. It includes the following courses:

Psychology 1 and 2.....24 Weeks
General Method .....12 Weeks
Four Teachers' Courses, selected from the following six:

Grammar
Arithmetic
Physiology
Geography
History
Reading
.....48 Weeks

Teaching .....24 Weeks
Elementary Drawing 1 and 2.....24 Weeks
Three electives from omitted high school subjects (see p. 50 .....36 Weeks
Except that specializing students may choose three terms of their specialty instead.

Students who take out this limited certificate and who return for the life certificate afterwards will be required to complete thirty-six weeks of work for the life certificate.

II. Rural School Course

A *three-year certificate*, good for three years and renewable for three years, valid in schools employing not more than two teachers, will be given on completion of the following course:

English Grammar, Composition and literature for the Grades	36	Weeks
Reading and Orthoepy (with methods of teaching primary reading)	24	"
History of the United States (with methods)	24	"
Geography (with methods)	24	"
Arithmetic (with methods)	24	"
Elementary Algebra	24	"
General History	24	"
Elementary Physics	24	"
Observation and Teaching in the Training School	24	"
Botany	12	"
Elementary Agriculture	12	"
Civil Government	12	"
School Management	12	"
Psychology	12	"
Physiology	12	"
Music	12	"
Drawing	12	"
Penmanship	12	"
Physical Training (without credit)	36	"

NOTES

1. Teachers of experience in rural school work may receive credit on the above course in accordance with such experience.

2. Pupils who have taken any of the above subjects in high schools may receive credit for the subjects so taken.

3. The course (without credits) will require two years and one term (seven terms of 12 weeks each); or two years and two summer terms (summer terms six weeks each). The greatest amount of credit possible will reduce it to one year—that is, three terms of 12 weeks each.

4. Persons completing the course will receive a certificate valid for three years anywhere in the state in schools employing not more than two teachers. This certificate is renewable once for three years.

5. The Normal College desires to help those who need to prepare for second and third grade certificates. Classes in the necessary subjects are in progress every quarter.

6. Students wishing manual training will be allowed to take it in place of some one of the prescribed subjects under direction of the President.

Advanced Credits

Under certain conditions credit for work done elsewhere will be allowed upon courses here, provided that no credits from high schools shall shorten the Two Years' College Life Certificate Course (see p. 49). The Committee on Advanced standing (see **p. 14) may at their discretion allow such standings from the following schools: (1) The University of Michigan, the Agricultural College, and all other regularly incorporated Michigan colleges; (2) institutions of like rank in other states; (3) accepted Michigan high schools; (4) reputable secondary and superior schools in other states.**

Candidates bringing standings from any of these schools will first submit them to the Committee on Advanced Standing for credit. These credits should then be reported to the office, and on this basis a classification will be made out.

Candidates for limited certificates must, as soon as possible after classification, secure their credits for work done elsewhere from the several heads of departments, after which these credits must be handed to the clerk for record.

Directions to Students

The following regulations apply to all students:

1. Present your credentials at the General Office and receive instructions as to classification.

2. Specializing students are classified by the head of the department in which they wish to specialize. Such classification will not be accepted for record unless signed by the head of the department concerned.

3. A copy of your high school or other standings should be filed early in the office with the clerk. Blanks for this purpose will be supplied on application.

4. After classification, pay your fee to the clerk. She will sign and return to you your classification card.

5. Enroll in your classes without delay. Each of your teachers will sign your card.

6. After having enrolled in all your classes, return your classification card to the clerk.

7. *Leave no classes permanently and make no change in classification without written permission from the President.*

8. After the clerk has signed the classification card all changes must be reported to her and recorded.

9. No student will be permitted to take more than *four* studies (not including physical training) except by permission of the committee on extra studies. Application for an extra study should be made in writing, with reasons therefor. to the chairman of the committee (see p. 14).

10. Students bringing credits beyond the requirements

for entrance will receive no advance credit for the first year of a foreign language unless it be followed here by a second year of the same language.

11. It is important that all students should bear in mind the following regulations:

a.—Students on the Life Certificate Course, who are not specializing, must take all omitted high school subjects (see p. 50) as electives.

b.—Students not specializing on the Two Years' College Life Certificate Course must take seventy-two weeks of the ninety-six weeks of electives in the following six departments: English, History, Geography, Mathematics, Physical Science, Natural Science (see p. 51).

c.—Students not specializing on the Two Years' College Life Certificate Course must take *eight* of the Teachers' Courses (see p. 52), specializing students *six*, and candidates for the Three Years' Certificate, *four* (see p. 59).

d.—All students are required to take four terms of physical training, for which no credit is given.

12. Students receiving conditions should remove them within one year, otherwise such conditions will be counted as failures.

13. Leave your Ypsilanti address at the postoffice and at the Normal office, and report any change.

Students' Record

A tabulated statement of the work required for graduation from the Two Years' College Life Certificate Course, both general and specializing, is given below. It is suggested that each student keep a record of the progress of his work by means of this blank for his own information and guidance.

REQUIREMENTS FOR GRADUATION ON THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

General Course

Psychology 1, 2 (p. 120).
General Method (p. 121).
History of Education (p. 121).
Drawing, Elementary 1, 2 (p. 69).
Teaching (p. 127).

Teachers' Courses (p. 52).	Electives (p. 51).
1.	1. English (pp. 54 and 72).....
2.	2. Geography (pp. 54 and 77).....
3.	3. History (pp. 54 and 84).....
4.	4. Mathematics (pp. 54 and 93).....
5.	5. Natural Science (pp. 54 and 100).
6.	6. Physical Science (pp. 54 and 114).
7.	7. Free Elective.....
8.	8. Free Elective.....

Physical Training (p. 109).

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Specializing Course

Physiology 1, 2 (p. 120).
General Method (p. 121).
History of Education (p. 121).
Teaching (p. 127).

Teachers' Courses (p. 52).

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Physical Training (p. 109).

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Electives (p. 50).

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SCHEDULE OF CLASSES—FALL QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 1	Algebra, Higher 1	Algebra 2	Arithmetic, Tchrs'.
Arithmetic, Tchrs'.	Algebra, Higher 2	Algebra, Method in	Basket Ball (w)
Bl'kb'd Sketching	Arithmetic, Tchrs'.	Arithmetic, Tchrs'.	Chemical Lab. 4
Botany, Structural (8-10)	Chemistry 1	Artistic Singing for Adv. Students	Counterpoint 1
Chemistry, Physical	Drawing, Adv. 2	Botany, Structural (10-12)	Debating
Civics, Teachers'	Drawing, Elem 1	Chemistry 4	Differential Equations
Domestic Science and Art 4 (8-10)	Geography, Tchrs'.	Chemical Lab. 1	Drawing, Elem. 1
Drawing, Elem. 2	Geometry, Plane 2	Civics, Teachers'	Elocution 2
Geography, Tchrs.'	German 7	Domestic Science and Art 1 (10-12)	French 4
Geometry, Analyt.	German 10	Drawing, Elem. 1	French 7
Geometry, Plane 1	Greek 4	French 1	Geography, General
German 13	History, Adv. Amer.	Geography, Elem.	Grammar, Teachers'
Greek 1	History of Ed. 2	Geography, Tchrs'.	Harmony 1
Harmony 4	History, U. S. Pol.	German 4	History of Ed. 2
History of Ed. 1	Latin 7	Grammar, Tchrs'.	History, Greek
History, English 1	Manual Train (8-10)	Greek 7	History, Industrial
History, Modern	Musical Comp. 1	History of Ed . 2	History, U. S., (rural school)
History, Teachers'	Nature Study	History, Greek	Lab. Economy
Kindergarten—Primary Music	Physical Train. 1 (w)	History, Teachers'	Latin 4
Latin 13a	Physics 1, Lab.	Latin 13b	Latin 10
Latin 16	Physiology, Tchrs'.	Latin 20	Life Sketching
Manual Train, (8-10)	Principles of Crit. 1	Latin 23	Mythology
Nature Study	Psychology 1	Life Sketching	Phys. Ed., History of
Pedagogy (General Method)	Reading, Teachers'	Minerals and Rocks	Phys Lab. Practice
Physical Train. (w)	Voice Culture 1.	Music, History of, 1	Physical Technics
Physics 1		Physical Train, 1 (w)	Phys. Train., 1 (w)
Physics, Advanced		Physical Train. 4 (m)	Phys. Train., 4 (m)
Physiology, Tchrs'.		Physics, Method in	Psychology 1.
Principles of Crit. 1		Physiology, Prep.	Psychology, Adv.
Psychology 1		Physiology, Tchrs'.	
Reading, Teachers'		Psychology 1	
		Reading, Teachers'	

1-2	2-3	3-4	4-5
Arithmetic, Prep.	Anglo-Saxon	Animal Studies	Football (m)
Chemistry 1, Lab.	Astronomy	Arithmetic, Tchrs'.	Phys. Train., 3 (w)
Drawing, Elem. 1	Botany, Cryptog'mic	Athletics (m) 1 and 5	Phys. Train., 7 (w)
Elocution 1	Drawing, Elem 1	Drawing, Elem. 1	Tennis (m)
Geography, Tchrs'.	Drawing, Teachers'	German 1	Voice Culture for College students once each week
German 1	Geography, Field (2-4)	Grammar, Prep.	
Kindergarten Instruction 1	German 7	History, English 1	
Psychology 1	Grammar, Teachers'	Lit English 1	
Zoölogy, General 1-3	History, Greek	Philosophy, Introduction to	
	History, English 1	Phys. Train., 1 (w)	
	History, American Constitutional 1	Psychology 1	
	Kindergarten Instruction 3	Psychology 2	
	Latin 1	Shakespearean Reading	
	Music, Elem. of, 1	Tennis (m)	
	Music, Method in for Eight Grades		
	Physical Ed., Tchrs'.		
	Phys. Train., 1 (w)		
	Phys. Train., 4 (w)		
	Psychology 1		
	Reading, Teachers'		
	Rhetoric		

SCHEDULE OF CLASSES—WINTER QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 1	Algebra, Higher 1	Acoustics	Chemistry 5 Lab.
Arithmetic, Tchrs'.	Algebra, Higher 2	Algebra 3	Counterpoint 2
Botany, Structural (8-10)	Arithmetic, Tchrs'.	Algebra 2	Drawing, Elem. 2
Calculus 1	Bl'kb'd Sketching	Algebra, Higher 1	French 5
Chemistry of Common Life	Chemistry 2	Arithmetic, Tchrs'.	French 8
Civics, Teachers'	Drawing, Elem. 2	Artistic Singing for Adv. Students	Geog., of Europe
Domestic Science and Art 5 (8-10)	Geography, Tchrs'.	Botany, Structural (10-12)	Geometry, Solid Analytical
Drawing, Adv. 1	Geometry, Plane 2	Chemistry 5	Harmony 2
Drawing, Elem. 2	German 8	Chemical Lab, 2	History of Ed. 2
Geography, Tchrs'.	German 11	Civics, Teachers'	Historical Material
Geometry, Plane 2	Grammar, Teachers'	Domestic Science and Art 2 (10-12)	History, Roman
German 14	History of Ed. 2	Drawing, Elem. 2	Hist. United States (rural schools)
Grammar, Tchrs'.	Hist., XIX Century	French 2	Latin 5
Greek 2	Latin 8	Geography, General	Latin 21
Harmony 5	Latin 11	Geography, Tchrs'	Life Sketching
History of Ed. 2	Music, Elements 2	Geology, Dynamical	Logic
History, English 1	Musical Comp. 2	Geom., Method in	Mechanics of Exercise
History, English 2	Nature Study	German 5	Mythology
History, Teachers'	Phys. Train., 2 (w)	Greek 5	XIX Century Poetry
Kindergarten—Primary Music	Physics 2 Lab.	Greek 8	Phys. Lab. Prac.
Latin 14b	Physics, Method in	History of Ed. 2	Phys. Train., 3 (w)
Latin 17	Physiology, Prep.	History, Roman	Phys. Train., 5 (w)
Manual Train. (8-10)	Physiology, Tchrs'.	History, Teachers'	Physics, Adv. 2
Nature Study	Political Economy	Latin 14a	Psychology 2
Pedagogy, (General Method)	Principles of Crit. 1	Latin 22	Reading, Teachers'
Phys. Train. 2 (w)	Principles of Crit. 2	Latin 24	Trigonometry
Physics 2	Psychology 2	Life Sketching	
Physics, Prep.	Reading, Tchrs'.	Lit., English 1	
Physiology, Tchrs'.	Sight Reading and Methods for Piano Students	Music, History of, 2	
Principles of Crit. 2	Voice Culture 2	Phys. Train., 2 (w)	
Psychology 2		Physiology, Adv.	
Reading, Teachers'		Physiology, Prep.	
		Principles of Crit. 1	
		Psychology 2	
		Reading, Teachers'	
		Shakespeare	

1-2	2-3	3-4	4-5
Arithmetic, Prep.	Algebra 1	Animal Studies	Basket Ball (m)
Chemical Lab. 2	Arithmetic, Tchrs'.	Drawing, Elem. 1	Phys. Train., 1 (w)
Drawing, Elem. 2	Drawing, Elem. 1	German 2	Phys. Train., 8 (w)
Elocution 1	Drawing, Teachers'	Grammar, Tchrs',	Track Athletics (7-8)
English Composition	Elocution 2	History, English 2	Voice Culture for College Students (once each week)
Geography, Tchrs'.	Geography, U. S.	Hist. of Philosophy	
German 1	German 8	Lit., English 2	
German 2	Hist., Am. Const'l. 2	Phys. Train., 1 (m)	
Greek 8	History, English 1	Phys. Train., 2 (w)	
Kindergarten Instruction 1	History, Roman	Psychology 1	
Phys. Train., 3 (m)	Kindergarten Instruction 2	Psychology 2	
Psychology 2	Latin 2	Shakespearean Reading	
Zoölogy, General 2	Logic		
	Method in Music for Eight Grades		
	Middle English		
	Music, Elem. 1		
	Physical Ed. Tchrs'.		
	Phys. Lab. Prac. Adv		
	Phys. Train., 2 (w)		
	Phys. Train., 5 (w)		
	Physiography		
	Plant Physiology		
	Psychology 2		
	Rhetoric, Adv.		

SCHEDULE OF CLASSES—SPRING QUARTER

8-9	9-10	10-11	11-12
Animal Studies	Algebra, Higher 1	Arithmetic. Prepar'y	Algebra 4
Algebra, Higher 2	Arithmetic, Tchrs'.	Artistic Singing for Advanced Students	Chemical Lab. 6
Bacteriology (8-10)	Chemistry 3	Botany, System., (10-12)	Counterpoint 3
Blackb'rd Sketching	Drawing, Elem. 2	Chemistry 6	Drawing, Elem'y 2
Calculus 2	Drawing, Advan. 2	Chemical Lab. 3	English Fiction
Chemistry, Organic	Geography, Tchrs'.	Civics, Teachers'	Geography, General
Civics, Teachers'	Geometry, Plane 1	Counterpoint 3	Greek 6
Domestic Science and Art 6 (8-10)	Geometry, Solid	Domestic Science and Art 3 (10-12)	Harmony 3
French 6	German 9	Drawing, Elem. 2	Hist. of Education 2
Geography, Tchrs.'	German 12	French 3	Hist. of Education 4
Geometry, Plane 3	Grammar, Teachers'	Geography, Comm'l	History, Mediaeval
German 15	History, U. S. Polit.	Geography, Tchrs'.	Latin 6
Grammar, Teachers'	Hist. of Education 3	Geology	Life Sketching
Greek 3	Latin 9	German 6	Modern Language—Teachers' Course
Harmony 1	Latin 22	Greek 9	Mythology
Harmony 6	Latin 24	Hist. of Education 3	Musical Form and Analyzation for Supervisors
Hist.. Adv., English	Musical Compos'n 3	History, Mediaeval	Music, Elem. of, 1
History, English 2	Music, Elements of 1	History, Teachers'	Music, High School Methods in
History, Teachers'	Nature Study	Hist. of Mathematics	Oratory
Latin 15	Pedagogy (General Method).	Latin 12	Pedagogy (General Method)
Latin 18	Physics, Method in	Latin 19	Physical Laboratory Practice
Manual Train'g (8-10)	Physics 3, Lab.	Life Sketching	Physical Train. 6 (w)
Method in Music for Eight Grades	Physical Train. 2 (w)	Masterpieces	Physics, Adv. 3
Nature Study	Physical Train. 3 (w)	Music, History of 3	Physiology of Exercise
Pedagogy (General Method)	Political Science	Pedagogy (General Method)	Sociology
Phil'y of Education	Prin. of Criticism 1	Phys. Train. 3 (w)	
Physical Train. 3 (w)	Reading, Teachers'	Physiology, Tchrs'.	
Physics 3	Voice Culture 3	Prin. of Crit. 2	
Plant Ecology		Reading, Teachers'	
Prin. of Criticism 1		Theory of Equations	
Reading, Teachers'			

1-2	2-3	3-4	4-5
Algebra 1	Algebra 3	Animal Studies	Base Ball
Bacteriology (1-3)	Astronomy	Astronomy, Adv.	Greek 4
Bl'kb'd Sketching	Blackb'd Sketching Advanced	Base Ball (m)	Greek Art
Chemical Lab 3	Botany, Systematic (2-4)	German 3	Phys. Train., 2 (w)
Elocution 1	Chemical Lab. 3	Grammar, Prep.	Phys. Train., 1 (w)
English Comp.	Civil Government	History, English 1	Phys. Train., 9 (w)
Geography, Tchrs'.	Current Topics	Hist. of Philosophy	Tennis (m)
German 2	Drawing, Elem. 1	Pedagogy, (General Method)	Track Athletics (m
German 3	Elocution 2	Phys. Train., 3 (w)	
Greek 9	Ethics	Psychology 2	
Kindergarten Instruction 2	Geography, Field (2-4)	Rhetoric	
Music, Elem. of, 2	German, 9	Shakespearean Reading	
Pedagogy, (General Method)	History, Current	Tennis (m)	
Phys. Train., 3 (m)	Kindergarten Instruction 3	Track Athletics	
Physiology, Prep.	Latin 3		
	Lit., English 2		
	Pedagogy, (General Method)		
	Philosophy of Ed.		
	Physical Ed., Tchrs'.		
	Phys. Train., 3 (w)		
	Phys. Train., 6 (w)		
	Rhetoric, Advanced		
	Vertebrate Structures		

The Campus Looking Northwest.

Departments and Courses

Drawing

Miss Bertha Goodison.
Miss Annie H. Olmsted. Miss Lota H. Garner.
Miss Estella E. Baker.

HIGH SCHOOL COURSES

1. Elementary Drawing 1. 12 Weeks.

This course takes up the study of the following type forms: the sphere, cube, cylinder, square prism, and square pyramid, and of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament and architecture.

Fall, winter and spring quarters.

Fall quarter—Six sections: 9-10, 10-11, 11-12, 1-2, 2-3, 3-4.

Spring quarter—One section: 2-3.

Winter quarter—Three sections: 12, 2-3, 3-4.

Room 10. Miss Garner. Miss Baker.

2. Elementary Drawing 2. 12 Weeks.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications: borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.

Winter quarter—Four sections: 8-9, 9-10, 10-11, 11-12.
Spring quarter—Three sections: 9-10, 10-11, 11-12.
Room 10. Miss Olmsted, Miss Garner.

COLLEGE COURSES

3. BLACKBOARD SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.
Winter quarter—One section: 9-10.
Spring quarter—Two sections: 8-9, 1-2.
Room 24. Miss Garner. Miss Baker.

4. ADVANCED DRAWING 1. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers and other subjects covering the main problems in decorative design.

Fall and winter quarters.

Winter and spring quarters.

Winter quarter—One section: 8-9.
Spring quarter—One section: 8-9.
Room 14. Miss Olmsted.

5. ADVANCED DRAWING 2. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal from still-life and casts. Landscape composition is studied with some out-of-door sketching.

Advanced drawing 2 may be taken before advanced drawing 1.

Fall and spring quarters.

Fall quarter—One section: 9-10.
Spring quarter—One section: 9-10.
Room 14. Miss Olmsted.

6. TEACHERS' DRAWING. 12 WEEKS.

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the principles of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

Fall and winter terms.

Fall quarter—One section: 2-3.

Winter quarter—One section: 2-3.

Room 9. Miss Goodison.

7. LIFE SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 and advanced drawing 1 and 2, or their equivalent, must precede.

This class has two dours daily, four days in the week. The work is mainly in pencil from life models. Instruction is also given in figure composition.

Fall and winter quarters.

Fall quarter—One section: 10-12.

Winter quarter—One section: 10-12.

Room 7. Miss Olmsted.

8. LIFE SKETCHING 2. 12 WEEKS.

Elementary drawing 1 and 2, advanced drawing 1 and 2, and life sketching 1, or their full equivalent, must precede.

In this course studies are made from the head and figure in light and shade and color.

Exercises in original illustrative composition are given, the principles involved being illustrated by reproductions of famous paintings.

Spring quarter—One section: 10-12.

Room 7. Miss Olmsted.

9 ADVANCED BLACKBOARD SKETCHING. 12 WEEKS.

This is a continuation of Blackboard Sketching 1, and is intended particularly for students specializing in this department.

The aim of this course is to develop skill and rapidity in execution, and to offer opportunity for making original sketches.

Drawings are made of figures, animals, landscapes and plant forms.

Spring quarter—One section: 2-3.

Room 24. Miss Goodison.

Students who are not specializing in this department may elect Courses 2 to 9 for the third or fourth college year.

English

Professor Florus A. Barbour

Assistant Professor Abigail Pearce

Miss Alma Blount Miss Estelle Downing

PREPARATORY COURSE

1. Grammar.

An elementary, but systematic course in English Analysis, together with a rapid review of Etymology and Syntax. The course should enable students to pass the county examinations for a Third Grade Certificate, and is preparatory to the study of elementary Rhetoric in the Normal College.

Fall quarter, 3-4. Room 42. Miss Downing.

Spring quarter, 3-4. Room 44. Miss Blount.

HIGH SCHOOL COURSES

1. Rhetoric.

Presupposes preparatory Grammar. Elementary work in note-taking and outlining of themes, with instruction in the intelligent use of library "helps." This is followed by a study of paragraphs, sentences, and words, with special reference to the principles of unity, coherence, and emphasis. Continual practice in composition is given throughout the course.

Fall quarter, 2-3. Room 42. Miss Downing

Spring quarter, 3-4 Room 42. Miss Downing.

2. English Composition.

This course is designed for the high school graduates who have had insufficient training in English. Its aim is to lead the student to a more correct and forcible expression of his thoughts, both in speaking and writing. There will be instruction and drill in connection with the most common speech errors, together with an oral discussion of assigned themes, and constant practice in writing. Through-

out the course attention will be paid to diction, sentence structure and paragraphs.

Winter quarter, 1-2. Room 42. Miss Downing.

Spring quarter, 1-2. Room 42. Miss Downing.

3. ENGLISH LITERATURE 1 and 2.

The courses include an outline history of English Literature, based upon the great forces that have been at work shaping and developing the life of the English people. This historical work is chronological and is illustrated and supplemented by the study of representative classics from different periods. Course 1 extends from the earliest times to the age of Milton; Course 2, from Milton to modern times.

Course 1—Fall quarter, 3-4; winter quarter, 10-11. Room 44. Miss Blount.

Course 2.—Winter quarter, 3-4; spring quarter, 2-3. Room 44. Miss Blount.

COLLEGE COURSES

1. PRINCIPLES OF CRITICISM 1.

The elementary principles of literary criticism applied to the study of selections from the American poets. The nature of criticism is considered, the relation of the author to his work, the rhetorical principles of style, and the aesthetic principles underlying literary art. The course presupposes Rhetoric and English Literature 1 and 2.

Fall quarter, 8- 9. Section 1. Professor Barbour.
8- 9. Section 2. Miss Pearce.
9-10. Section 3. Professor Barbour.
9-10. Section 4. Miss Pearce.
9-10. Section 5. Miss Downing.

Winter quarter, 10-11. Section 1. Miss Pearce.

Spring quarter, 9-10. Section 3. Room 40. Professor Barbour.
9-10. Section 2. Room 41. Miss Pearce.
8- 9. Section 1. Room 40. Professor Barbour.

2. PRINCIPLES OF CRITICISM 2.

A study of American prose in accordance with the method suggested for Course 1, and in all cases to be preceded by Course 1. The course is deemed especially valuable as an opportunity for studying different types of prose: the essay, narrative and descriptive (Irving); the essay, med-

itative and philosophical (Emerson); the short story (Hawthorne and Poe); minute observation (Thoreau); and the oration in Webster's Reply to Hayne.

Winter quarter, 8-9. Section 1. Professor Barbour.
9-10. Section 2. Miss Pearce.

Spring quarter, 10-11. One section. Miss Pearce.

3. NINETEENTH CENTURY POETRY.

This course is introduced by a brief review of the different periods of English Literature. The review is followed by a more particular study of nineteenth century poetry, with special consideration of Shelley, Keats, Tennyson, Browning, Morris and Swinburne.

Winter quarter, 11-12. Room 41. Miss Pearce.

4 ENGLISH FICTION.

A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. The aim is to make this course helpful and suggestive not only to high school teachers but also to any teachers of narrative prose.

Spring quarter, 11-12. Room 41. Miss Pearce.

5. SHAKESPEARE.

A brief course of lectures on the technical construction of the drama, followed by an analytical study of several of Shakespeare's tragedies. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

Winter quarter, 10-11. Room 40. Professor Barbour.

6. ENGLISH MASTERPIECES.

A study of Carlyle's Sartor Resartus and DeQuincey's Opium Eater as two great types of nineteenth century prose.

Spring quarter, 10-11. Room 40. Professor Barbour.

7. ANGLO SAXON.

Cook's First Book of Old English, followed by a course of lectures upon the history of the English Language. The course is considered of especial value to teachers of English Grammar.

Fall quarter, 2-3. Room 44. Miss Blount.

8. MIDDLE ENGLISH.

The study of Chaucer in Sweet's Second Middle English Primer, Morris' Prologue and Knightes Tale, and Nun's Priest's Tale; also library references on the course of English Literature from 1066 to 1500 with special emphasis upon the 14th century.

Winter quarter, 2-3. Room 44. Miss Blount.

9. TEACHERS' GRAMMAR.

(a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Fall quarter. Section 1, 10-11. Room 44. Miss Blount.
Section 2, 10-11. Room 41. Miss Pearce.
Section 3, 11-12. Room 44. Miss Blount.
Section 4, 11-12. Room 41. Miss Pearce.
Section 5, 2-3. Room 40. Professor Barbour.

Winter quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 9-10. Room 44. Miss Blount
Section 3, 3-4. Room 42. Miss Pearce.

Spring quarter. Section 1, 8-9. Room 41. Miss Pearce.
Section 2, 8-9. Room 44. Miss Blount
Section 3, 9-10. Room 44. Miss Blount.

10. ADVANCED RHETORIC.

The work of this course constitutes a general review of rhetorical principles, and a practical application of these principles to English Composition. It includes a study of models in description, narration, exposition, and argument, together with the constant practice in writing under these four types of prose structure. Some attention is also paid to note-taking and outlining themes. The course is especially designed for those who already have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or high schools; hence some emphasis is laid upon method.

Winter quarter, 2-3. Room 42. Miss Downing.
Spring quarter, 2-3. Room 42. Miss Downing.

DEGREE COURSES

High School Courses 1, 2, 3 and College Courses 1 and 9 will not be credited on the work of the third or fourth college year. Students not specializing in the English Department may

elect in these years any of the other courses offered, after consulting with the head of the department.

Students who are specializing in this department may elect courses 3, 4, 5, 6,, 7, and 8 for the third or fourth college year, and collateral work in foreign languages, history, reading and public speaking, after consultation with the head of the department.

The course in Mythology offered by the department of Latin and Greek is specially recommended to all students specializing in English. This course is repeated each quarter.

Courses 5 and 6 may be considered as distinctly fourth year courses for students who plan to take the degree of A.B. All students in the third or fourth year who desire to elect courses in English should consult freely with the head of the department. Special consideration will be given to each student, and courses to be elected will depend upon the department in which the student is specializing, or upon his previous studies in language and literature.

Geography

PROFESSOR MARK S. W. JEFFERSON.

NOTE. Students who are to spend but two years in the College should not attempt to specialize in this department. They can get several courses in it while specializing in Natural Science or Mathematics. But mature students or those working for advanced degrees can obtain training here for the occasional positions that offer for special teachers of geography.

PREPARATORY COURSE

1. ELEMENTARY GEOGRAPHY. 12 WEEKS.
   The course will take up the distribution of physical, climatic and political regions of the earth with Tarr and McMurry's Third Book as a text.
   Fall quarter, 10-11. Room 18. An Assistant.

HIGH SCHOOL COURSE

2. (PHYSICAL GEOGRAPHY). 12 WEEKS.
   Credit from high schools. All non-specializing students who have not had a course in Physical Geography are required to elect Teachers' Geography. It will not be credited them as a Teachers' Course except in cases of unusual proficiency, but will count for them as their Elective in Geography.
   Winter quarter, 11-12. Room 18. An assistant.

COLLEGE COURSES

3. TEACHERS' GEOGRAPHY. 12 WEEKS.
   This course is designed to prepare students for teaching geography in the public schools as far as its subject matter is concerned. It deals with the nature and use of maps and the study and teaching of weather and climate. Each quarter, 8-9, 9-10, 10-11 and 1-2. Rooms 21 and 18. Professor Jefferson and an assistant.
4. GENERAL GEOGRAPHY. 12 Weeks. Course 3 is pre-requisite. This course is designed to extend the preparation offered

by 3 to the distribution of Man and Institutions in the principal countries of the world.

This is the elective recommended to students on the general course.

Fall and Spring Quarter, 11-12.

Winter Quarter, 10-11.

Room 21. Professor Jefferson.

5. PHYSIOGRAPHY OF THE LANDS. 12 WEEKS. Course 3 is pre-requisite.

Preparation for teaching Physical Geography in high schools.

This is an advanced course in physical geography dealing with the forms of the surface of the dry lands and the processes by which they take and change these forms. Davis' Physical Geography is used as a text.

Fall and Winter quarter, 2-3. Room 21. Professor Jefferson.

6. FIELD GEOGRAPHY, TEACHERS' COURSE. 12 Weeks. Course 3 is pre-requisite.

A course in Physiography for students who are able to do a good deal of walking. Others should be content with 5. More than half the exercises are conducted in the open air. Fall and Spring quarter, 2-4. Students must reserve the whole afternoon, as occasional excursions will last till 6 p. m. Professor Jefferson.

7. GEOGRAPHY OF THE UNITED STATES. 12 Weeks. Courses 3 and either 5 or 6 are pre-requisite.

Hours to be arranged. Room 21. Professor Jefferson.

8. METEOROLOGY. 12 Weeks. (For advanced students only.)

Davis' meterology used as a text with actual observations and studies of the weather and climate of Ypsilanti.

Hours to be arranged. Room 21. Professor Jefferson.

9. GEOGRAPHY OF EUROPE.

Winter quarter, 11-12. Room 21. Professor Jefferson.

DEGREE COURSES IN GEOGRAPHY.

Courses 1, 2 and 3 will not be credited on the work of the third or fourth college year.

Students satisfactory to the head of the department may elect 4, 5, 6, 7, and 8 for the third or fourth college year.

Distinctively fourth year courses are 7 and 8.

German and French

PROFESSOR RICHARD CLYDE FORD
MISS IDA FLEISCHER, Ph.D. MISS MARY JOY LOMBARD

GENERAL STATEMENT

The library of the department comprises about 1,000 volumes, besides a number of the leading pedagogical and literary journals of both languages, which are on file in the reading room of the College.

From time to time through the year informal lectures are given to students of the department on subjects relating to the politics, geography, history and literary life of France and Germany.

PRACTICE TEACHING

Special students of the department will have opportunity to do their teaching in the German classes of the High School section of the Training School.

SCHOLARSHIP

The Hon. Peter White, of Marquette, has made it possible for the department to award annually for four years $25 to some student of merit in courses in French. The sum first became available in 1905, and was awarded to Miss Elizabeth Beal Steere, of Ann Arbor. In 1906 the scholarship was divided between Miss Vida Billings and her sister, Miss Daisy Billings.

THE B.PD. AND THE A.B. DEGREES

Candidates for the above degrees, and specializing in this department, may elect courses: German—10, 11, 12, 13, 14, 15; French—7, 8, 9, 10, 11, 12, for the third or fourth college year.

Candidates not specializing, may elect anywhere according to requirements of their preparation.

German

1. FALL QUARTER.

Pronunciation; grammar (Joynes-Meissner or Thomas) conversation; sentence building; easy reading.

Two sections.

(a) Miss Lombard, 3-4. Room 46.

(b) Dr. Ida Fleischer, 1-2. Room 22.

2. WINTER QUARTER.

Grammar; conversation; written work; reading.

(a) Miss Lombard, 3-4. Room 46.

(b) Dr. Ida Fleischer, 1-2. Room 22.

A beginner's class is also started in the winter quarter.

3. SPRING QUARTER.

Reading; composition; grammar.

(a) Miss Lombard, 3-4. Room 46.

(b) Dr. Ida Fleischer, 1-2. Room 22.

The work of this year is intended to give the student a good pronunciation and make him acquainted with the elements of the grammar and colloquial expression. The amount of matter read will approximate 250 pages and will be chosen from beginning readers and easy stories. Among the latter Guerber's *Märchen und Erzählungen* Seidel's *Die Monate* and Campe's *Robinson der Jüngere* may be regarded as typical. There will also be outside reading in English on subjects relating to modern Germany.

The work of the year is preparatory and treated as follows:

Beginning work through one year, if taken here, or in an institution of equal grade, is credited.

Beginning work through one year, if taken in addition to the high school work required for entrance, will be credited *only when followed by an additional year here.*

HIGH SCHOOL COURSES

4. FALL QUARTER.

Review grammar (part 1, Thomas). Reading matter chosen from such texts as Auerbach's *Brigitta*, Baumbach's *Der Schwiegersohn*, Heyse's short stories, etc., etc. Written work; conversation.

(b) Dr. Ida Fleischer, 1-2. Room 22.

5. WINTER QUARTER.
Reading of prose continued. Seidel's *Leberecht Hühnchen*, Riehl's *Burg Neideck*, etc. Dr. Ida Fleischer, 10-11. Room 22.

6. SPRING QUARTER.
Schiller's *Der Neffe als Onkel*, Sudermann's *Teja*, etc.; modern prose, etc. Dr. Ida Fleischer, 10-11. Room 22.

In this year the student is introduced to real literature as such, and a constant endeavor is made to cultivate a literary appreciation of the authors studied. At the same time work in grammar and composition is emphasized in order to fix thoroughly in the learner's mind the structural features of the language. Miscellaneous readings in English are continued.

7. FALL QUARTER.
Two sections.
(a) Schiller's *Maria Stuart*; review of grammar; written work. Dr. Ida Fleischer, 9-10. Room 22.
(b) Schiller's *Der Geisterseher*, etc. Dr. Ida Fleischer, 2-3. Room 22.

8. WINTER QUARTER.
(a) Schiller's *Der Dreissigjährige Krieg*; sight reading; Dr. Ida Fleischer, 9-10. Room 22.
(b) Schiller's *Jungfrau von Orleans*; poetry; conversation. Dr. Ida Fleischer, 2-3. Room 22.

9. SPRING QUARTER.
(a) Schiller's *Balladen*, or study of historical prose; conversation. Dr. Ida Fleischer, 9-10. Room 22.
(b) Reading of German periodicals; conversation. Dr. Ida Fleischer, 2-3. Room 22.

The work of courses 7, 8, 9 is a continuation both in spirit and matter of the preceding year. Only enough grammar work is done to make the text intelligible, the emphasis of instruction being laid on extensive reading. Research work in English and German is now required.

COLLEGE COURSES

German Literature of the Nineteenth Century

10. FALL QUARTER.
Study of German poetry, ballads and lyrics. Professor Ford, 9-10, Room 50A.

11. WINTER QUARTER.
The rise of fiction; Study of Scheffel's *Ekkehard*; prose composition. Professor Ford, 9-10. Room 50A.

12. SPRING QUARTER.
German literature under the Empire; prose composition. Professor Ford, 9-10. Room 50A.
A suitable *Literaturgeschichte* will be used as an outline, illustrated by other texts, which will be studied in class. Each student will also be expected to make himself familiar with some special author whom he will read and report upon.

13. FALL QUARTER.
Study of Lessing, Wieland and Herder. Professor Ford 8-9. Room 50A.

14. WINTER QUARTER.
Goethe and his work; study of *Faust*. Professor Ford, 8-9. Room 50A.

15. SPRING QUARTER.
German literature of today. Study of the leading modern writers Professor Ford, 8-9. Room 50A.

16. TEACHERS COURSE. SPRING QUARTER.
History and methods of modern teaching. Discussion of the questions of technical grammar, etc. Professor Ford, 11-12. Room 50A.

French

HIGH SCHOOL COURSES

1. FALL QUARTER.
Pronunciation; grammar (Part I, Fraser and Squair); reading. Two sections:
(a) Professor Ford, 10-11. Room 50A.

2. WINTER QUARTER.
Grammar continued; written exercises and conversation; reading.
(a) Professor Ford, 10-11. Room 50A.

3. SPRING QUARTER.
Irregular verbs; written exercises; reading.
(a) Professor Ford, 10-11. Room 50A.
In this year of French particular attention is paid to the matter of pronunciation and the elementary principles of the grammar and colloquial expression. From 300 to 400 pages of matter are read, chosen from such texts as Aldrich and Foster's *French Reader*, Bruno's *Le Tour de la*

France, Héalvy's *L'Abbé Constantin*, Dumas' *La Tulipe Noire*, George Sand's *La Petite Fadette*, Labiche et Martin, *Le Voyage de M. Perrichon*. There will also be reading in English on subjects relating to modern France.

COLLEGE COURSE

4. FALL QUARTER.

Review of grammar; reading, with written work and conversation. Professor Ford, 11-12. Room 50A.

5. WINTER QUARTER.

Grammar; composition; reading. Professor Ford, 11-12. Room 50A.

6. SPRING QUARTER.

Syntax; composition; reading. Professor Ford, 8-9. Room 50A.

The reading of this year is taken from such texts as Mérimée's *Colomba*, About's *Le Roi des Montagnes*, Sarcey's *Le Siège de Paris*, *HistoriettesModernes* and De Vigny's *La Canne de Jonc*, supplemented with sight reading from modern writers, and outside matter in English.

7. FALL QUARTER.

First 160 pages of Duval's *Histoire de la Littérature Francaise*; Molière's *Les Femmes Savantes*; Corneille's *Polyeucte*; Racine's *Esther*. Professor Ford. Room 50A.

8. WINTER QUARTER.

Duval's *Histoire*, etc. Pages 160-263. Letters of Madame de Sévigné's; Voltaire's prose. Professor Ford, Room 50A.

9. SPRING QUARTER.

Duval's *Histoire de la Littérature Francaise* concluded. Lamartine's *Scènes de la Révolution Francaise*; Hugo's *Hernani*; Musset's *Comédies*; Hugo's *Les Miserables*; Professor Ford, Room 50A.

The year's work as outlined in the preceding courses is planned to give the student a systematic review of French literature since the 16th century. The main periods and authors are carefully outlined and studied, and the literary currents setting into the subsequent centuries are followed up.

10, 11, 12. FOR ADVANCED STUDENTS.

The seminar method will be pursued in these courses, and the work will embrace studies in the history and development of the French language and grammar; the French element in English, with special readings in literature.

History

PROFESSOR JULIA ANNE KING.

Miss Mary B. Putnam — Miss Florence Shultes
Miss Bertha G. Buell — Miss Lucy S. Norton

PREPARATORY COURSES

Classes are organized in United States history and civil government for students needing elementary work in these subjects. See schedule of classes.

HIGH SCHOOL COURSES

1 General History. 36 Consecutive Weeks.
An elective open to all students. The work is based upon a text-book. Begins the fall quarter. 10-11. Room 47. Miss Shultes.

2. History of England. 24 Weeks.
Text-book; Walker. Begins each quarter. 8-9, 2-3 and 3-4. The second half of the course, winter and spring quarters, 8-9, 2-3, and 3-4. Room 48. Miss Buell. Miss Norton.

3. Political History of the United States. 12 Weeks.
Course 3 presupposes Course 2, or an equivalent. Text-book: McLaughlin. Fall and Spring quarters, 9-10. Room 48. Miss Buell.

COLLEGE COURSES

(a) Courses 4, 9, 10 are arranged for students desiring but a single elective in history.

(b) Courses 5, 6, 7, 8 may be elected early in the course by specializing students.

4. Nineteenth Century. 12 Weeks.
This course is included among those designed for students desiring a single elective in history. Text-book: West, with assigned topics for library. Winter quarter, 9-10. Room 48. Miss Buell.

5 HISTORY OF GREECE TO THE CONQUEST OF THE ROMANS. 12 WEEKS.
Text-book: West's Ancient History, with assigned reading. Fall quarter, 10-11, 11-12, and 2-3. Room 47. Miss Shultes.

6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.
Supplementary to course 5. It is urged that courses 5 and 6 follow each other in the order named. Winter quarter, 10-11, 11-12. Room 47. Miss Shultes.

7. MEDIÆVAL HISTORY OF EUROPE FROM 800 TO 1500. 12 WEEKS.
Text-book: Bourne, with assigned reading. Spring quarter, 10-11, 11-12. Room 47. Miss Shultes.

8. MODERN EUROPE FROM 1500-1800. 12 WEEKS.
Text-book: Schwill, with assigned reading. Fall quarter, 8-9. Room 47. Miss Shultes.

9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.
This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Buell.

10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.
This work is designed for the graduates from high schools and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject Fall quarter, 9-10. Room 45. Miss Putnam.

11. TEACHERS' HISTORY. 12 WEEKS.
Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and 10-11. Room 49. Professor King. Miss Norton.

12. TEACHERS' CIVICS. 12 WEEKS.
Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.

13. POLITICAL ECONOMY. 12 WEEKS.
Text-book. Supplemented by discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

14. POLITICAL SCIENCE. 12 WEEKS.
Course 14 presupposes Course 12, in which the student

must have shown aptitude for the study. Lectures, with assigned topics for investigations. Spring quarter, 9-10, Room 45. Miss Putnam.

15. STUDY OF SOCIETY. 12 WEEKS.
Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written reports. Spring quarter, 11-12. Room 49. Professor King.

16. INDUSTRIAL HISTORY. 12 WEEKS.
Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King, or Miss Putnam.

17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 consecutive weeks.—Not given in 1907-8.
Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.
The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.
Given in 1907-8.
Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

19. HISTORICAL MATERIAL. 12 WEEKS.
Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King. Miss Putnam.

20. SOCIOLOGY.
Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

21. PHILOSOPHY OF HISTORY.
Course 21 presupposes Course 11. Lectures with assigned topics for reading and discussion. Hours to be arranged with the instructor.

22. CURRENT HISTORY. 12 WEEKS.
The work takes up for research and discussion some of the important social topics of the day. Spring quarter, 2-3. Room 45. Miss Putnam.

DEGREE COURSES

Courses 4 to 10, inclusive, will not be credited on the work of the third and fourth college years.

Students specializing in history may elect from Courses 11 to 22, inclusive, for third and fourth years' work.

Students not specializing in history may elect from the courses credited on degrees any work for which they are prepared.

Courses 17 to 21, inclusive, are regarded as distinctively fourth year work.

Latin and Greek

PROFESSOR BENJAMIN L. D'OOGE.
Miss Helen B. Muir. Mr. Orland O. Norris.

Latin

PREPARATORY COURSES

1. Beginners' Latin.

   Fall quarter, 2-3. Room 36. Miss Muir.

2. Beginners' Latin.

   Winter quarter, 2-3. Room 36. Miss Muir.

3. Beginners' Latin and Viri Romae, or Second Year Latin.

   Spring quarter, 2-3. Room 36. Miss Muir.

   Courses 1-3 are preparatory to all that follow, and are credited as follows:

   (a) Students who have had no Latin may begin it here, and their work will be credited on the electives of their Normal Course.

   (b) Students who have taken the first year of Latin in addition to the high school work required for entrance will receive no advance credits for the same unless it be followed by a second year here.

   Students who wish to specialize in Latin and who remain but two years should aim to take four years of Latin before coming to this institution.

HIGH SCHOOL COURSES

4. Viri Romae or Second Year Latin, and Latin Composition.

   Fall quarter, 11-12. Room 36. Miss Muir.

5. Cæsar and Latin Composition.

   Winter quarter, 11-12. Room 36. Miss Muir.

6. Cæsar and Latin Composition.

Spring quarter, 11-12. Room 36. Miss Muir.

7. CICERO AND LATIN COMPOSITION.
   Fall quarter, 9-10. Room 35. Mr. Norris.
8. CICERO AND LATIN COMPOSITION.
   Winter quarter, 9-10. Room 35. Mr Norris.
9. OVID.
   Spring quarter, 9-10. Mr. Norris.
10. OVID.
    Fall quarter, 11-12. Room 34. Professor D'Ooge.
11. VERGIL.
    Winter quarter, 9-10. Room 34. Professor D'Ooge.
12. VERGIL.
    Spring quarter, 10-11. Room 34. Mr. Norris.

COLLEGE COURSES

13. LIVY AND LATIN COMPOSITION (2 sections).
    Fall quarter, 8-9 and 10-11. Room 35. Mr. Norris.
14. LIVY AND LATIN COMPOSITION OR CICERO'S ESSAYS (2 sections).
    Winter quarter, 8-9 and 10-11. Room 35. Mr. Norris.
15. LATIN SELECTIONS.
    Spring quarter, 8-9. Room 35. Mr. Norris.
16. HORACE.
    Fall quarter, 8-9. Room 34. Professor D'Ooge.
17. HORACE.
    Winter quarter, 8-9. Room 34. Professor D'Ooge.
18. LATIN COMEDY.
    Spring quarter, 8-9. Room 34. Professor D'Ooge.
19. LATIN WRITING 1 (3 times, 12 weeks' credit).
    Spring quarter, 10-11. Room 34. Professor D'Ooge.
    This course is open to such only as have had at least four years of the language. It is designed to meet the needs of those who look forward to teaching Latin, and combines drill in the translation of connected English into idiomatic Latin with a thorough review of syntax.
20. LATIN SIGHT READING (2 times, 6 weeks' credit).
    Fall quarter, 10-11. Room 34. Professor D'Ooge.
    This course is open to such only as have at least four years of Latin. It affords systematic drill in the building of a vocabulary, and in the principles underlying the structure of the Latin sentence, so that the peculiarities of order may become thoroughly familiar and progress in reading be easier and more rapid.

21. TEACHERS' COURSE IN CAESAR, CICERO AND VERGIL.
Winter quarter, 11-12. Room 34. Professor D'Ooge.
This course is required of all who expect to teach Latin and is open to such only as have had at least five years of the language. The lectures present: (1) a brief history of the Latin language and its relation to other languages; (2) the justification of Latin in the secondary school; (3) problems and methods of teaching secondary Latin; (4) pronunciation, quantity, prosody; (5) a general bibliography and a consideration of the best text-books; (6) ancient books and the general principles of textual criticism. Students who are specializing may take this course as one of the required teachers' courses.

22. HISTORICAL LATIN GRAMMAR (2 times, 6 weeks' credit).
Spring quarter, 9-10. Room 34. Professor D'Ooge.
Course 22 is open only to those who have had at least five years of Latin.

23. LATIN WRITING 2 (2 times, 6 weeks' credit).
Fall quarter, 10-11. Room 34. Professor D'Ooge.
Course 23 is an advanced course and presupposes a credit in Latin Writing 1. While the latter has most to do with matters of syntax, the former is devoted to a study of style and diction.

24. LATIN INSCRIPTIONS (2 times, 6 weeks' credit).
Spring quarter, 9-10. Room 34. Professor D'Ooge.
Course 24 is an advanced course, is conducted as a seminary, and is open only to ten students; it may be elected only by such as obtain special permission from the head of the department.

Students specializing in Latin should take at least a year of Greek if possible.

Greek

HIGH SCHOOL COURSES

1. BEGINNERS' GREEK.
Fall quarter, 8-9. Room 36. Miss Muir.

2. BEGINNERS' GREEK.
Winter quarter, 8-9. Room 36. Miss Muir.

3. BEGINNERS' GREEK AND ANABASIS.
Spring quarter, 8-9. Room 36. Miss Muir.

4. ANABASIS AND GREEK COMPOSITION.

Fall quarter, 9-10. Room 34. Professor D'Ooge.

5. ANABASIS AND GREEK COMPOSITION.
Winter quarter, 10-11. Room 35. Professor D'Ooge.

6. HOMER'S ILIAD.
Spring quarter, 11-12. Room 35. Professor D'Ooge.

The above six courses (2 years) of Greek are often taken in the preparatory work of high schools, and are therefore called High School Courses. Students, however, who have had no Greek and wish to begin it here may elect it and it will be credited on the electives of the Normal course.

COLLEGE COURSES

7 HOMER'S ODYSSEY.
Fall quarter, 1-2. Room 36. Miss Muir.

8. HOMER'S ODYSSEY. LYSIAS AND GREEK COMPOSITION.
Winter quarter, 1-2. Room 36. Miss Muir.

9. LYSIAS AND GREEK COMPOSITION.
Spring quarter, 1-2. Room 36. Miss Muir.

No student may take up Greek who has not had at least one year of Latin. It is so important an adjunct of Latin that all who are preparing to teach the latter are strongly urged to take at least one year of Greek. A fair reading knowledge can be obtained in that time.

COURSE IN GREEK ART

1. GREEK ART AND ARCHÆOLOGY FOR BEGINNERS (2 times).
Spring quarter, 4-5. Room 34. Professor D'Ooge.

This course is open not only to classical students, but also to others. The work is popular in character and aims to give, in a simple manner, such information in ancient art and architecture as every intelligent teacher should have. The course will be given by lectures and illustrated by the stereopticon.

COURSE IN MYTHOLOGY

The course in Mythology, is proving so useful and so popular that it will be repeated each term hereafter. In 1907-8 the class will meet from 11-12 in Room 35 and be in charge of Mr. Norris. It is open not only to students of this department, but has been arranged especially for students outside of this department, particularly for such as are specializing in English or in History. For all these a good knowledge of Mythology is very essential.

PRACTICE TEACHING

Students preparing themselves for teaching Latin and Greek are given unusual advantages for practice teaching in the eighth, ninth, and tenth grades of the Training School under the supervision of a trained specialist.

CANDIDATES FOR DEGREES

Students who are candidates for degrees and are specializing in this department may elect in Greek any of the courses offered and in Latin any Course above Course 6 for the work of the third or fourth college year.

Students not specializing may elect any of the work offered either in Greek or in Latin for the third or fourth college year.

Students who have finished the courses offered above and wish to continue further will be directed in their work by the head of the department.

LIBRARY AND ILLUSTRATIVE MATERIAL

The department has a well-equipped classical library of more than a thousand volumes, representing standard authorities in English, French and German. Large accessions to this collection are being made year by year, and the facilities of this nature are ample for all our purposes of study and investigation. Strong emphasis is laid upon collateral reading in connection with all classical authors. The department is also well supplied with maps, charts, and photographs, of which constant use is made, and additional illustrative material has recently been provided in the shape of a large collection of lantern slides.

Mathematics

PROFESSOR ELMER A. LYMAN

ASSOCIATE PROFESSOR JOHN C. STONE.

MISS ADA A. NORTON. CLEMENS P. STEIMLE

MISS JENNIE L. MATTESON. SIDNEY P. TRATHEN

PREPARATORY COURSE

1. PREPARATORY ARITHMETIC. 12 WEEKS.
   A thorough drill in the fundamental parts of Arithmetic. The aim of this course is to secure rapidity and accuracy in computing. Fall and winter quarters. Room 55. Mr. Steimle and Miss Matteson.

HIGH SCHOOL COURSES

The following courses are required of all regular four years' course students:

2. ALGEBRA 1. 12 WEEKS.
   Elementary algebra through factoring. Fall and spring quarters. Room 31. Mr. Steimle.
3. ALGEBRA 2. 12 WEEKS.
   A continuation of Algebra 1 through equations of the first degree with two unknown quantities. Fall and winter quarters. Room 31. Mr. Steimle.
4. ALGEBRA 3. 12 WEEKS.
   A continuation of Algebra 1 and 2 to quadratic equations. Winter and spring quarters. Room 55. Miss Norton and Mr. Steimle.
5. ALGEBRA 4. 12 WEEKS.
   Algebra completed through quadratic equations. Fall and spring quarters. Room 55. Mr. Steimle and Miss Matteson.
6. PLANE GEOMETRY 1. 12 WEEKS.
   An elementary course in plane geometry through rectilinear figures and the equality of polygons. Fall and spring quarters. Room 31. Mr. Trathen.

7. PLANE GEOMETRY 2. 12 WEEKS.
A continuation of Course 6. Fall and winter quarters. Room 31. Mr. Trathen.

8. PLANE GEOMETRY 3. 12 WEEKS.
Room 31. Mr. Trathen.

9. SOLID GEOMETRY. 12 WEEKS.
Room 31. Mr. Steimle.

COLLEGE COURSES

Course 13 or 14 is required of all students taking the general course.

10. TEACHERS' ARITHMETIC. 12 WEEKS.
This course is carried on partly by lectures on the history and pedagogy of the subject, and partly by a review of the typical parts of the subject. This course must be preceded by all of the high school courses given above. Offered each quarter. Room 54, Professor Lyman. Room 30, Associate Professor Stone. Room 55, Miss Norton.

11. METHODS IN GEOMETRY. 12 WEEKS.
A review of plane and solid geometry. Special attention will be paid to the methods and presentation of the subject. Winter quarter. Room 54. Professor Lyman.

12. HISTORY OF MATHEMATICS. 12 WEEKS.
This course is designed to show the student how the subjects he is to teach have developed. Students have access to the large collection of books in the library. Spring quarter. Room 55. Miss Norton.

13. TRIGONOMETRY. 12 WEEKS.
An elementary course in plane and spherical trigonometry. Presupposes all high school courses. Each quarter. Room 30, Associate Professor Stone.

14. HIGHER ALGEBRA 1. 12 WEEKS.
Besides giving a more comprehensive view of elementary algebra than could be given in Courses 2, 3, 4, 5, a thorough study is made of the idea of a function, the remainder theorem, symmetry, variation, the progressions, determinants and the graph. Presupposes all the high school courses. Each quarter. Room 55. Miss Norton.

15. HIGHER ALGEBRA 2. 12 WEEKS.
An advanced college course including additional work on the theory of the equation. Winter and spring quarters. Associate Professor Stone.

16. ANALYTICAL GEOMETRY. 12 WEEKS.
An elementary course in analytical geometry. Presup-

poses all the previous courses except 10, 11, and 12. Fall quarter. Room 54. Professor Lyman.

17. DIFFERENTIAL CALCULUS. 12 WEEKS.
Presupposes Course 16. Winter quarter. Room 54. Professor Lyman.

18. INTEGRAL CALCULUS. 12 WEEKS.
Spring quarter. Room 54. Professor Lyman.

19. THEORY OF EQUATIONS. 12 WEEKS.
This course presupposes Courses 13, 14, and 15. Chapters I-X. Spring quarter. Room 30. Associate Professor Stone.

20. SOLID ANALYTICAL GEOMETRY. 12 WEEKS.
An elementary course in solid analytical geometry. Presupposes all the above courses except 10, 11, 12, and 19. Room 35. Professor Lyman.

21. DIFFERENTIAL EQUATIONS. 12 WEEKS.
Room 35. Professor Lyman.

22. THEORETICAL MECHANICS. 12 WEEKS.
Room 35. Professor Lyman.

23. MATHEMATICAL READING. Time and credit to be arranged. Room 35. Professor Lyman.

DEGREE WORK IN MATHEMATICS

The courses in Algebra 3 and 4, Plain and Solid Geometry will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect Courses 19-23 inclusive for the third or fourth college year.

Students who are not specializing in this department may elect from Courses 11-18 inclusive for the third or fourth college year.

The course in Mathematical Reading (24), is a distinctly fourth year course.

Music

PROFESSOR FREDERIC H. PEASE,

MR. MINOR E. WHITE.

MISS CLYDE E. FOSTER. MISS RUTH PUTNAM.

HIGH SCHOOL COURSES

1. ELEMENTS OF MUSIC 1. 12 WEEKS.

Text-book; Pease and Lawrence's Choral Instruction Course. Summer quarter 8-10 and spring quarter 9-10. Winter and fall quarters, 2-3. Mr. White. No credit given unless Elements 2 is also taken.

As the foundation of all future study is laid in this class it should be considered of more importance than any other.

The work consists of a careful development of the science of music from the very beginning, together with practical study of sight-reading, voice and ear training.

2. ELEMENTS OF MUSIC 2. 12 WEEKS.

Same text-book as in 1. Summer quarter 2-4 and spring quarter 8-9. Winter quarter 9-10. Mr. White. For elements of Music 1 and 2 a credit of 24 weeks is given.

Both classes strongly recommended to college students who wish to obtain as much study of music as possible, consistent with their college courses.

COLLEGE COURSES

4. METHODS IN MUSIC FOR 8 GRADES. 12 WEEKS.

Text-bok; First Reader of Modern Music Series, and Rote Song Book by Ripley and Tapper. Also the Educational music course. Summer quarter, twice daily. Miss Foster. Fall quarter, 2-3. Miss Putnam. Winter quarter, 2-3. Miss Putnam. Spring quarter, 8-9. Miss Foster.

This is one of the regular teachers' courses in the college, and should be taken by all Normal students. It presupposes a knowledge of music as taught in Elements 1 and 2. Students must pass these two classes before taking Methods, unless they have had the equivalent elsewhere and can pass an examination.

Students in this class of twelve weeks are prepared especially for teaching singing in the eight grades. Observation of the work is made in the training school. Full credit is given.

5. KINDERGARTEN PRIMARY MUSIC. 12 WEEKS.

Text-book: Primer of Modern Music series. Miss Foster. Fall and winter quarters, 8-9. Miss Foster. Full credit given.

The work in this class consists of a study of the care and guidance of the young child's voice, the development of a feeling of rhythm, the training of monotones, and the manner of presenting songs to children.

A sequence of games and songs for the year is memorized, and the playing of such music as is used in the marches and games is emphasized.

6 METHODS IN HIGH SCHOOL MUSIC. 12 WEEKS.

This class is devoted largely to theory and professional work for advanced or high school grades. It is a continuation of the class in Methods for the 8 grades and of Elements 1 and 2, which precede it. Text-books: Choral Instruction Course and Choral Song Book, both by Pease & Lawrence. Spring quarter, one section, 11-12. Room 2, Conservatory. Professor Pease. 12 weeks' credit.

7. HISTORY AND LITERATURE OF MUSIC. 36 WEEKS.

A course giving an outline of music and musicians, with a course of reading relating to musical literature. Text-book: History of Music by Dickinson. Fall, winter and spring quarters, 10-11. Miss Putnam.

8. DEPARTMENT TEACHING. 12 WEEKS.

Required in Public School and Music and Drawing courses. Teaching done under Miss Foster's supervision.

9. VOICE CULTURE 1. 12 WEEKS.

Summer quarter, 10-12. Miss Putnam and Professor Pease.

Fall quarter, 9-10, 4-5. Winter quarter, 4-5. Spring quarter, 9-10. Miss Putnam.

There are three classes in voice culture of one quarter each. The voice, its development, culture, resonance, permeation, together with the art of singing, including

rendition, diction, articulation and expression are the subjects taught, the professional instruction being dwelt on at each point. For 24 weeks of class work 12 weeks' credit is given.

10. VOICE CULTURE 2. 12 WEEKS.
Fall quarter, 9-10. Winter quarter, 9-10. Spring quarter, 9-10. Miss Putnam, Mr White.

11. VOICE CULTURE 3. 12 WEEKS.
Fall and Winter quarters, once each week, 4. Professor Pease.

All the Voice Culture Classes are adapted to the needs of College students.

12. ARTISTIC CLASS IN SINGING. 12 WEEKS.
To prepare for singing in public. It meets twice a week. Fall, winter and spring quarters, 10-11. For advanced pupils only. Professor Pease.

13. HARMONY 1. 12 WEEKS.
Text-book: Foote, Anger, Norris and York. Summer quarter, 8-10. Fall quarter, 11-12. Mr. White, Miss Putnam.

The study in harmony follows that in methods in high school music, and continues through six terms. Harmony 1 is also given during the summer term. Harmony is taught both as a science and as an art, and is made the basis for further progress in counterpoint and composition. It is also the foundation for a better understanding of instrumental music, and a help in learning to read music at sight. Full credit.

14. HARMONY 2. 12 WEEKS.
Same text as in 1. Winter quarter, 11-12. Miss Putnam. Harmony 2, 2-4. Mr. White. Full credit.

15. HARMONY 3. 12 WEEKS.
Spring quarter, 11-12. Miss Putnam and Mr. White. Same text as in 1 and 2. 36 weeks' credit. An application of harmony study to the piano forte, and a further training in the mental conception of tones in melodies and in chords. Harmony 3 is followed by 4, 5 and 6, and consists of advanced study.

16. COUNTERPOINT 1. 12 WEEKS.
Text-book: Bridge, Pearce, Gladstone and Norris' Counterpoint. Fall quarter, 11-12. Professor Pease.

Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.

17. COUNTERPOINT 2. 12 WEEKS.
Book used as for Counterpoint 1. Winter quarter, 11-12. Professor Pease.

18. COUNTERPOINT 3, AND DOUBLE COUNTERPOINT. 12 WEEKS.
Book used as for 1 and 2. Spring quarter, 9-10. Professor Pease. Full credit.

19. FORM AND COMPOSITION 1. 12 WEEKS.
Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.
Composition is continued during the fall, winter and spring quarters, and is the practical application of the previous studies in harmony and counterpoint.

20. MUSICAL FORM AND ANALYZATION FOR SUPERVISORS.
Spring quarter, 11-12. Alternates with High School Music. Professor Pease.

21. FORM AND COMPOSITION 2. 12 WEEKS.
Same text-book as in 1. Winter quarter, 9-10. Professor Pease.

22. FORM AND COMPOSITION 3. 12 WEEKS.
New text-book. Spring quarter, 8-9. Professor Pease. Full credit.

Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in music may elect courses in counterpoint, music composition, piano, organ, violincello and harmony for the third or fourth college year.

DEGREE COURSES

Harmony 1, 2 and 3.

Counterpoint 1, 2 and 3.

Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.

All music classes are open to College as well as Conservatory students.

Natural Sciences

PROFESSOR WILLIAM H. SHERZER
ASSISTANT PROFESSOR S. D. MAGERS.
MISS JESSIE PHELPS.* MISS MARY A. GODDARD.
MISS S. EDITH KING.

Pupil Assistants—Miss Fern White, Mr. Ralph M. Sprague, Mr. Emerson S. Clem.

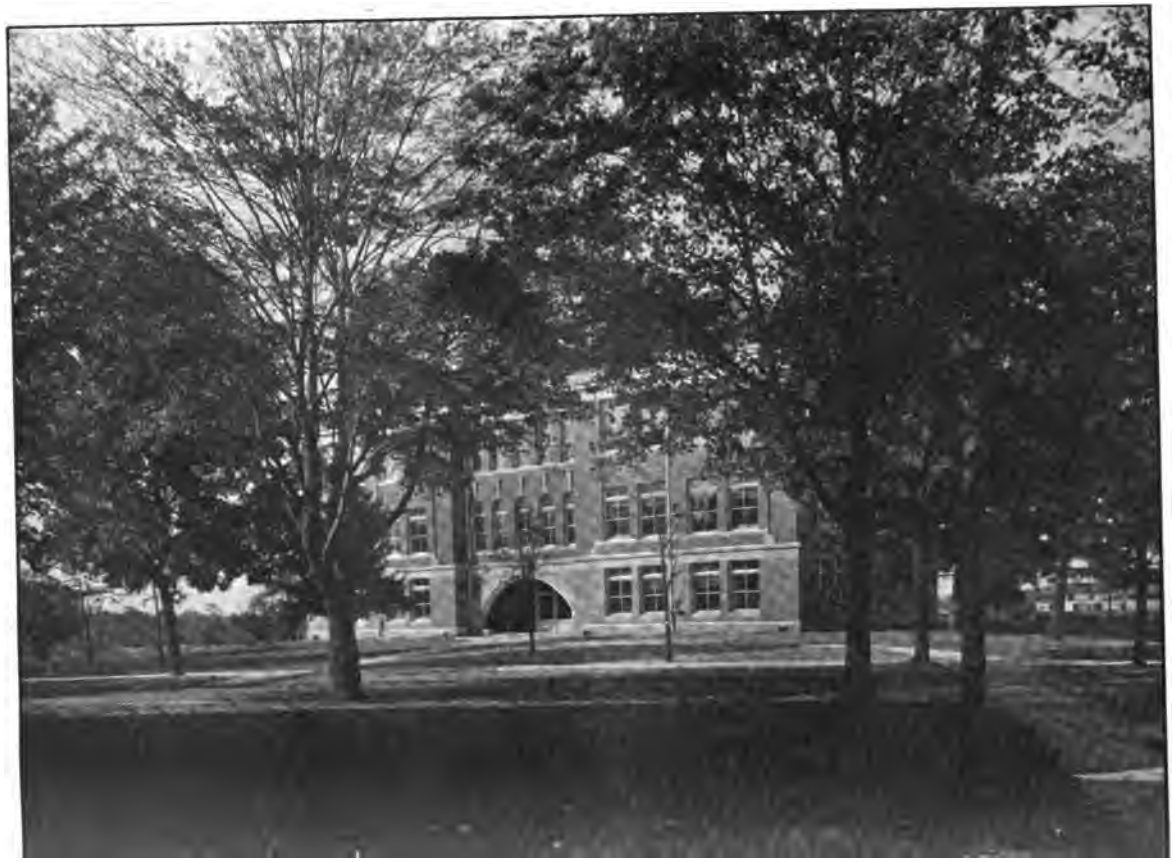
The class-rooms, laboratories and collections of the department occupy the west half of the Science Building. The laboratory courses in physiology, zoölogy, botany and geology require two hours daily, but into these two periods is intended to be brought all the work of the class, including preparation of notes, library assignments, reviewing for quizzes, etc. In certain indicated subjects these two periods must be consecutive. In the other laboratory classes it is very desirable that the hour preceding, or immediately following the class hour, be left open and this should be done whenever the schedule will possibly permit. Students seeking electives in the department are urged to make their selection early in the year and then note the quarter or quarters, in which these subjects are offered. Those upon the general course are notified that their electives may be selected from any one of the four lines; geology, zoölogy, botany or physiology. The particular course that it is desirable to elect will depend upon the preparation and prospective work of the student. The following are ordinarily recommended: geology, courses 17, 18, 19 or 20; botany, 4, 5 or 6; zoölogy, 9, 10 or 11; for those who have completed the course in teachers' physiology, either 14 or 15.

HIGH SCHOOL COURSES

1. PREPARATORY PHYSIOLOGY.

This course is intended as a preparation for the teachers' course in physiology for those who enter with insufficient knowledge of laboratory methods. For graduates of high schools who have had no physiology above the grades the

*Absent on leave.



The Science Building

Natural Sciences

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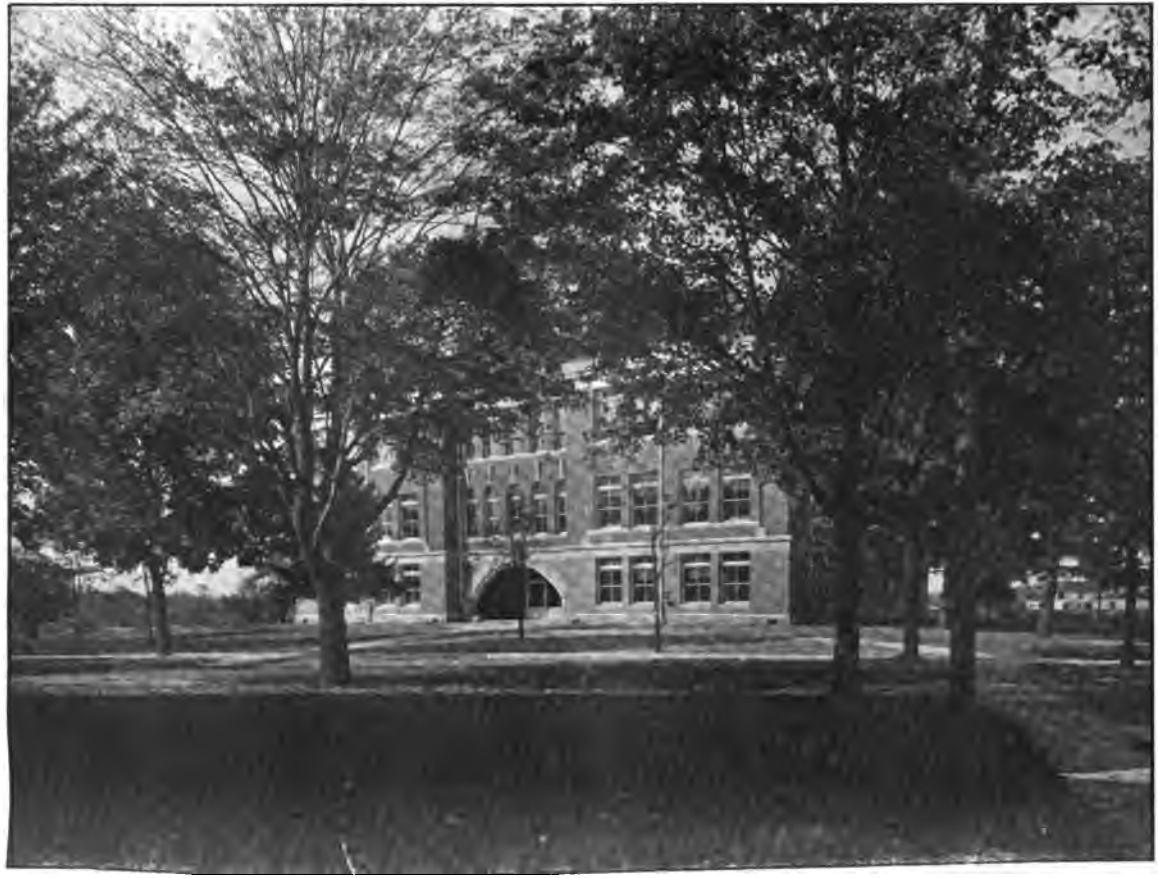

The Science Building

course is counted as an elective and should be taken by such *special* as well as *general* students. The frog is used as a basis for the work, its various structures being dissected and its tissues examined with the microscope, in order that its physiology may be better understood. Constant reference is made to the human subject, Martin's Human Body (Briefer Course) being used as a text. Fall and winter quarter, 10-11. Spring, 1-2. Room M. Miss Phelps.

2. STRUCTURAL BOTANY.

This course serves as an introduction to the biological sciences and should be taken by all high school graduates whose botanical work was incomplete or unsatisfactory. For such students the course counts as a regular college elective.

Plants are studied as living, working organisms and something of their importance to man is taught. Stress is placed on their life activities, and to give an understanding of how they perform their work, their gross and cellular structure is studied. Special emphasis is laid on such activities as plant respiration and starch formation, and attention is given to the part the sun's energy plays in plant life. It includes work with the compound microscope and observational and experimental work in the laboratory. Two consecutive hours. Lectures and quizzes. No text. Fall and winter quarters. Rooms F and H, 8-10 and 10-12. Miss Goddard.

3. SYSTEMATIC BOTANY.

This course aims to give the student a general view of the plant kingdom. Typical forms of each group of cryptogams (non-flowering plants) are studied and also of the phanerogams, or flowering plants. A study is made of the winter buds of our common trees and shrubs, noting especially their protective devices and considering their importance. This work is followed by an outdoor study of the more common forest and fruit trees. Attention is given to the morphology of the root, stem, leaf and flower, the subject of fertilization, distribution, etc. Laboratory and field work, lectures and quizzes. Two consecutive hours. Gray's Manual is used for identification. It would be well to precede this by Course 2. Spring quarter only. Rooms F and H, 10-12 and 2-4. Miss Goddard.

Music

PROFESSOR FREDERIC H. PEASE,
MR. MINOR E. WHITE.
MISS CLYDE E. FOSTER. MISS RUTH PUTNAM.

HIGH SCHOOL COURSES

1. ELEMENTS OF MUSIC 1. 12 WEEKS.
Text-book; Pease and Lawrence's Choral Instruction Course. Summer quarter 8-10 and spring quarter 9-10. Winter and fall quarters, 2-3. Mr. White. No credit given unless Elements 2 is also taken.
As the foundation of all future study is laid in this class it should be considered of more importance than any other.
The work consists of a careful development of the science of music from the very beginning, together with practical study of sight-reading, voice and ear training.

2. ELEMENTS OF MUSIC 2. 12 WEEKS.
Same text-book as in 1. Summer quarter 2-4 and spring quarter 8-9. Winter quarter 9-10. Mr. White. For elements of Music 1 and 2 a credit of 24 weeks is given.
Both classes strongly recommended to college students who wish to obtain as much study of music as possible, consistent with their college courses.

COLLEGE COURSES

4. METHODS IN MUSIC FOR 8 GRADES. 12 WEEKS.
Text-bok; First Reader of Modern Music Series, and Rote Song Book by Ripley and Tapper. Also the Educational music course. Summer quarter, twice daily. Miss Foster. Fall quarter, 2-3. Miss Putnam. Winter quarter, 2-3. Miss Putnam. Spring quarter, 8-9. Miss Foster.
This is one of the regular teachers' courses in the college, and should be taken by all Normal students. It presupposes a knowledge of music as taught in Elements 1 and 2. Students must pass these two classes before taking Methods, unless they have had the equivalent elsewhere and can pass an examination.

Students in this class of twelve weeks are prepared especially for teaching singing in the eight grades. Observation of the work is made in the training school. Full credit is given.

5. KINDERGARTEN PRIMARY MUSIC. 12 WEEKS.

Text-book: Primer of Modern Music series. Miss Foster. Fall and winter quarters, 8-9. Miss Foster. Full credit given.

The work in this class consists of a study of the care and guidance of the young child's voice, the development of a feeling of rhythm, the training of monotones, and the manner of presenting songs to children.

A sequence of games and songs for the year is memorized, and the playing of such music as is used in the marches and games is emphasized.

6 METHODS IN HIGH SCHOOL MUSIC. 12 WEEKS.

This class is devoted largely to theory and professional work for advanced or high school grades. It is a continuation of the class in Methods for the 8 grades and of Elements 1 and 2, which precede it. Text-books: Choral Instruction Course and Choral Song Book, both by Pease & Lawrence. Spring quarter, one section, 11-12. Room 2, Conservatory. Professor Pease. 12 weeks' credit.

7. HISTORY AND LITERATURE OF MUSIC. 36 WEEKS.

A course giving an outline of music and musicians, with a course of reading relating to musical literature. Text-book: History of Music by Dickinson. Fall, winter and spring quarters, 10-11. Miss Putnam.

8. DEPARTMENT TEACHING. 12 WEEKS.

Required in Public School and Music and Drawing courses. Teaching done under Miss Foster's supervision.

9. VOICE CULTURE 1. 12 WEEKS.

Summer quarter, 10-12. Miss Putnam and Professor Pease.

Fall quarter, 9-10, 4-5. Winter quarter, 4-5. Spring quarter, 9-10. Miss Putnam.

There are three classes in voice culture of one quarter each. The voice, its development, culture, resonance, permeation, together with the art of singing, including

rendition, diction, articulation and expression are the subjects taught, the professional instruction being dwelt on at each point. For 24 weeks of class work 12 weeks' credit is given.

10. VOICE CULTURE 2. 12 WEEKS.
Fall quarter, 9-10. Winter quarter, 9-10. Spring quarter, 9-10. Miss Putnam, Mr White.

11. VOICE CULTURE 3. 12 WEEKS.
Fall and Winter quarters, once each week, 4. Professor Pease.

All the Voice Culture Classes are adapted to the needs of College students.

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To prepare for singing in public. It meets twice a week. Fall, winter and spring quarters, 10-11. For advanced pupils only. Professor Pease.

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Text-book: Foote, Anger, Norris and York. Summer quarter, 8-10. Fall quarter, 11-12. Mr. White, Miss Putnam.

The study in harmony follows that in methods in high school music, and continues through six terms. Harmony 1 is also given during the summer term. Harmony is taught both as a science and as an art, and is made the basis for further progress in counterpoint and composition. It is also the foundation for a better understanding of instrumental music, and a help in learning to read music at sight. Full credit.

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Text-book: Bridge, Pearce, Gladstone and Norris' Counterpoint. Fall quarter, 11-12. Professor Pease.

Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.

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Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.
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Same text-book as in 1. Winter quarter, 9-10. Professor Pease.

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New text-book. Spring quarter, 8-9. Professor Pease. Full credit.

Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in music may elect courses in counterpoint, music composition, piano, organ, violincello and harmony for the third or fourth college year.

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Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.

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HIGH SCHOOL COURSES

1. PREPARATORY PHYSIOLOGY.

   This course is intended as a preparation for the teachers' course in physiology for those who enter with insufficient knowledge of laboratory methods. For graduates of high schools who have had no physiology above the grades the

*Absent on leave.

of high school courses. Spring quarter only. Rooms F and H, 7-9. Miss Goddard.

7. PLANT EMBRYOLOGY.
The development of calyx, corolla, stamens and pistils will be traced, stress being laid on the formation and growth of pollen grains and ovules. The process of fertilization and the development of the embryo will be carefully studied and explained. The work will be largely microscopical and will include some training in the making of permanent mounts showing sections of various parts of the flower. This course should be preceded by Cryptogamic Botany and Plant Physiology, or their equivalent. Spring quarter. Hours to be arranged. Room H. Miss Goddard.

8. BOTANICAL PROBLEMS.
This course is open to those who have had plant embryology. Individual problems in plant physiology, morphology, or ecology will be assigned each student, the nature of the problem depending upon the materials available, the season of the year, and the student's preference. The laboratory study will be supplemented by library and field work and from time to time each member of the class will report as to the methods pursued and results obtained. Hours to be arranged. Fall quarter. Room F. Miss Goddard.

9 ANIMAL STUDIES (previously called Elementary Zoölogy).
This course seeks to supplement the lecture courses in Primary and Secondary Nature Study, by giving opportunity for direct observation work on the material used in the nature study of elementary schools. It is arranged especially for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of the common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required, and in fact it is advised that this precede or accompany the course in Nature Study. Text: Jordan, Kellogg and Heath, Animal Studies. Fall and winter quarters 3-4, spring quarter 8-9 and 3-4 Room M. Miss Phelps.

course is counted as an elective and should be taken by such *special* as well as *general* students. The frog is used as a basis for the work, its various structures being dissected and its tissues examined with the microscope, in order that its physiology may be better understood. Constant reference is made to the human subject, Martin's Human Body (Briefer Course) being used as a text. Fall and winter quarter, 10-11. Spring, 1-2. Room M. Miss Phelps.

2. STRUCTURAL BOTANY.

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3. SYSTEMATIC BOTANY.

This course aims to give the student a general view of the plant kingdom. Typical forms of each group of cryptogams (non-flowering plants) are studied and also of the phanerogams, or flowering plants. A study is made of the winter buds of our common trees and shrubs, noting especially their protective devices and considering their importance. This work is followed by an outdoor study of the more common forest and fruit trees. Attention is given to the morphology of the root, stem, leaf and flower, the subject of fertilization, distribution, etc. Laboratory and field work, lectures and quizzes. Two consecutive hours. Gray's Manual is used for identification. It would be well to precede this by Course 2. Spring quarter only. Rooms F and H, 10-12 and 2-4. Miss Goddard.

COLLEGE COURSES

4. CRYPTOGAMIC BOTANY.

This is a course of the so-called flowerless plants. A series of typical forms is studied, passing from the algae to the mosses, ferns and equisetum. Special attention is given to the subject of reproduction in the different forms and to alternation of generations. Stress is laid upon the evidence of plant evolution. Laboratory work and lectures, with some field work. No text. Fall quarter only. Rooms F and G, 2-3. Miss Goddard.

5. PLANT PHYSIOLOGY.

This is a course designed to give the student an opportunity to do individual experimental work in the laboratory, in order that he may become familiar with the handling of laboratory equipment and the setting up of experiments. It deals mainly with advanced physiology, taking up problems of growth, irritability, the nature of stored food, the action of organized and unorganized ferments and the fertility of the soil. A study of cell division is made. This course should be preceded by Courses 2 and 3, or their equivalent. Students who are planning to take chemistry of common life, or other work in chemistry, will find it helpful to do so, if possible, before taking this course. Winter term only. Rooms F and G, 2-3. Miss Goddard.

6. PLANT ECOLOGY.

The work in this course is designed especially for those who received credit in two elementary courses in botany on entering the Normal, but who desire an additional course to prepare them for teaching the subject. It is also a practical course for those who have taken Courses 2 and 3 in the Normal. A study of plant societies is made, grouping plants according to the amount of light and moisture they require. Attention is given to the structural adaptation to environment and to the habits of plants. Such ecological subjects as cross-pollination and seed distribution receive special attention, stress being laid on their relation to the perpetuation of species. This course will consist largely of outdoor study. A brief time toward its close will be devoted to a discussion of botanical texts and reference books and to the question

of high school courses. Spring quarter only. Rooms F and H, 7-9. Miss Goddard.

7. PLANT EMBRYOLOGY.
The development of calyx, corolla, stamens and pistils will be traced, stress being laid on the formation and growth of pollen grains and ovules. The process of fertilization and the development of the embryo will be carefully studied and explained. The work will be largely microscopical and will include some training in the making of permanent mounts showing sections of various parts of the flower. This course should be preceded by Cryptogamic Botany and Plant Physiology, or their equivalent. Spring quarter. Hours to be arranged. Room H. Miss Goddard.

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10. GENERAL ZOÖLOGY. 12 AND 24 WEEKS.

This course aims to give the beginning student in Zoölogy a general survey of the entire animal kingdom, and an understanding of the principles of living material. Such topics as the following will be discussed and, as far as possible illustrated in the laboratory and by museum material:—(a) structure and properties of protoplasm: (b) radial and bilateral symmetry; (c) mimicry; (d) economic adaptations; (e) biogenetic law; (f) heredity; (g) evolution; etc. The usual amount of laboratory work upon the more important forms will be given. The full course will extend throughout two quarters, but the first quarter's work may be elected as General Zoölogy 1 without reference to the second quarter and will receive twelve weeks' credit. The second quarter's work, however, must be preceded by the first or its equivalent. Text: Orton-Dodge, General Zoölogy.

General Zoölogy 1 requires two consecutive hours. Fall quarter, 1-3. Room M. General Zoölogy 2, winter quarter, 1-2. Room M. Miss Phelps.

11. VERTEBRATE STRUCTURES.

This is a course in the dissection of a small mammal, and a bird, and is designed for specializing students of physiology, physical culture or zoölogy. Especial emphasis will be put upon the structure of the nervous, respiratory, circulatory, and muscular systems, and their function and adaptations. The course is open to those who have had General Zoölogy 1 and 2, or an equivalent. Spring quarter, 2-3. Room M. Miss Phelps.

12. SPECIAL STUDIES IN ZOÖLOGY.

An opportunity is here offered to students showing aptitude for the natural sciences to do individual work in the field, and laboratory, and library with problems relating to industrial zoölogy; animal ecology; animal physiology; manipulation of laboratory and museum material; etc.; or, if students are seeking degree courses the work will be made to consist of the microscopic study of tissues (histology) or of the development of organs (embryology). Fall or spring quarters. Hours to be arranged. Room M. Miss Phelps.

13. TEACHERS' PHYSIOLOGY.

While this course is intended primarily as a preparation for teaching physiology in the grades, yet a broader view

and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritive values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Offered each quarter. Peabody's Physiology is used as a text. Fall term: 8-9, 9-10, 10-11. Winter, 8-9, 9-10. Spring, 10-11. Assistant Professor Magers.

14. ADVANCED PHYSIOLOGY.

This course is intended for students who have completed the Teachers' Physiology or its equivalent. Special study will be made of the eye, ear, other special sense organs and brain by means of models, dissections, microscopic sections, lectures and readings. Practice in determining defects in eye and ear will be given. Students will have opportunity to prepare microscopic sections for themselves. As far as time will permit, advanced topics in the study of muscle and nerve action, circulation, respiration and metabolism will be studied by laboratory methods. Winter quarter, Class meetings 10-11, twice a week. Laboratory preferably from 10-12. Rooms K and L. Assistant Professor Magers.

15. BACTERIOLOGY.

While this course is designed especially for students taking the special course in Domestic Science, it is believed that it will prove to be of interest to others. Emphasis is placed on the study of the nature and cultural effects of those bacteria that affect the home; the nature, action, and uses of the cultivated yeasts, and their relation to the "wild" yeasts, together with the modes of culture and destruction of the molds that are a source of annoyance in the home. The course will be given by means of lectures, recitations and laboratory practice. Spring quarter, 8-10, 1-3. Rooms K and L. Assistant Professor Magers.

16. NATURE STUDY.

This course is designed for those who expect to teach in the elementary schools, or who expect to supervise such teaching. The work is directed by printed outlines

and consists of quizzes, lectures and demonstrations covering the elementary principles of Nature and the evolution of the inorganic and the organic worlds. The parallel development of the race and the child, the purposes of Nature Study, the principles of method and a detailed primary course are presented and discussed as far as time permits. Devices for the keeping of live material in the school room are exhibited in operation and described. Each quarter, with an abridged course during the summer session. Room A, 8-9 and 9-10. Professor Sherzer.

17. MINERALS AND ROCKS.

This is a practical course in the study of our common minerals and rocks. Blowpipe methods and simple chemical manipulation are taught. Especial attention is given to Michigan minerals, their occurrence, formation and economic importance. An elementary knowledge of chemistry will be found helpful. Fall quarter only, with an abridged course during the summer session. Rooms A and C, 10-11. Professor Sherzer.

18. DYNAMICAL GEOLOGY.

This course is intended to give some idea of the agencies which have determined the shape and character of the earth's surface, and which are still at work in modifying it. These are classified under the following heads: Atmospheric, aqueous, organic and igneous agencies. The work consists of recitations, reports upon special topics and lectures. The lantern and collection of photographs are made much use of throughout the course. Brigham's Geology is used as a text. Winter quarter only. Room A, 10-11. Professor Sherzer.

19. HISTORICAL GEOLOGY.

A close study of the evolution of the earth and its inhabitants by means of lectures, reading, recitations and museum work upon fossil forms. Previous work in botany, zoölogy and dynamical geology is desirable, but not required. The geological column is taken up in order and brought down to the historic period. The character of the rocks is studied, thickness, home and foreign localities, their teachings, economic products and forms of life. Especial attention is given to the structure of our own state, a geological map and sections being prepared by each

student. Excursions to nearby points can be made as often as may seem desirable. Spring quarter only. Rooms A and C, 10-11. Professor Sherzer.

20. GLACIAL GEOLOGY.

In this course there is attempted a detailed study of the formation, distribution, structure, characteristics and geological activity of existing glaciers and ice sheets. The direct and indirect effects of the great ice movements across the State of Michigan are carefully studied, and the moraines, ancient beaches and glacial lakes are mapped. An effort is made to have the pupil appreciate as fully as possible the extent to which this glacial history still affects the lives of Michigan people. Lectures, library and laboratory work with field observations. The course should be preceded by dynamical geology and a year's work in physics. Spring quarter. Room A, 10-11. This course will take the place of the Historic Geology and will be given only as often as the demand may justify.

21. PALAEONTOLOGY.

This is a practical laboratory and museum course upon the more important types of animals and plants which have characterized the various ages of the world's history. The various methods of preparing such material for external and internal study will be learned, and some practice obtained in collecting fossils from such localities as can be reached by the student. Hours to be arranged. The course must be preceded by at least a year's work in geology, zoölogy and botany. Rooms B and C. Fall quarter. Professor Sherzer.

22. DEPARTMENT TEACHING.

The opportunity is offered to a limited number who are looking forward to high school work, to assist in the management of some of the regular laboratory classes. Each such pupil gains experience in giving individual assistance in the laboratory, in the inspection of notes and drawings, the collection and preparation of material, the setting up of experiments, and the presentation to the class of certain selected topics. Opportunity is afforded a few to teach regularly in the high school classes of the Training School.

23. BIRD AND TREE CLUB.

Students, especially those doing work in the department, who are interested in out-of-door study, are invited to join

the Saturday excursions. Number limited to twenty. No credit. Spring and fall quarters, beginning fall of 1905. Miss Phelps and Miss Goddard.

DEGREE COURSES

For work of the last two college years the courses in preparatory physiology, structural and systematic botany, animal forms, nature study and teachers' physiology are not accepted. Special students in the department may elect any of the other courses which have not already been used in securing their life certificates. General students may also elect from this list upon the advice of the head of the department. Courses 7, 12, and 21 are especially intended for advanced students who have had the requisite amount of preparatory work. Those desiring these courses should confer with the teacher in charge as early as possible.

SPECIAL STUDENTS

Students of special aptitude in the natural sciences and with some successful experience in teaching are invited to make application for enrollment as special students of the department, after one or more subjects have been completed. A limited number of such students will be accepted, only as many as there is reasonable hope of locating in our Michigan high schools. From this list of students there are selected "pupil assistants," who give the department two hours' time daily and receive $100 compensation.

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The Gymnasium

Physical Education

The courses offered in this department constitute two groups:

(a) Practical Courses. Here classes for men and women are separate, special suits are required, and no credit is given.

(b) Professional Courses consisting of lectures, recitations, etc., open to both men and women, and credited as in case of any academic subject.

MEN'S DEPARTMENT

PROFESSOR WILBUR P. BOWEN

Four terms of practical work are required of all students before graduation. Physical Training 1 must be chosen by all. The three other courses required may be chosen from the nine terms of practical work offered, subject to the approval of the director. This range of work includes light and heavy apparatus work in the gymnasium and the games of football, basketball, tennis, track athletics, and baseball. (See following list).

Regular attendance is as essential as in other college work. Those doing gymnasium work wear the regulation suit. The suit, costing about $5.00, involves the only expense demanded by the practical work.

Each student is examined on beginning practical work, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability.

A teachers' course is given which is especially adapted to prepare men to supervise gymnastics and games in schools. See page 113.

1. PHYSICAL TRAINING 1 FOR MEN. 12 WEEKS.

   Course 1 is required of all students. Elementary Swedish gymnastics, gymnastic games, and military marching. Winter quarter, 3-4. Professor Bowen.

2. PHYSICAL TRAINING 2 FOR MEN. 12 WEEKS.
Course 2 presupposes Course 1. Dumb-bell and wand exercises. Track and field events. Spring quarter, 4-5. Professor Bowen.

3. PHYSICAL TRAINING 3, FOR MEN. 12 WEEKS.
Indian club exercises. Winter and spring quarters, 1-2 Professor Bowen.

4. PHYSICAL TRAINING 4 FOR MEN. 12 WEEKS.
Work on apparatus, including pulleys, horizontal bar, parallel bars, climbing apparatus, ladders, horse, flying rings, traveling rings, and tumbling. The work is largely individual and not limited to any definite grade, so that the course may be repeated with profit. Fall quarter, 10-11. Professor Bowen.

Athletics

This work, conducted by Professor Bowen and his assistants, is intended to give prospective teachers systematic instruction in this branch of Physical Education, looking towards the supervision of such work in schools.

1. Football. Fall quarter, 4-6.
2. Basket Ball. Winter quarter, 4-6.
3. Base Ball. Spring quarter, 4-6.
4. Track and Field Events. Winter and Spring.
5. Tennis. Fall and Spring.

WOMEN'S DEPARTMENT

MRS. FANNIE CHEEVER BURTON.

MISS INEZ CLARK. MISS IRENE CLARK

MISS ELTA LOOMIS.

Four terms of practical work are required of all students before graduation. This includes the first three courses, together with Course 4, 5 or 6 at student's option. For the three years' certificate the first three courses are required.

All students doing practical work are required to wear the regulation suit and attend classes regularly. This suit, costing about $5.50, includes all the expense demanded by the practical work. (Students are requested not to purchase suits until their arrival here).

Each student is examined before beginning work, to ascer-

tain her special needs, as regards development, and a medical examination is also given, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability. Those thus excused observe the work of the class, and are held responsible for acquaintance with the work.

Students should begin work the first term in college if they enter in Junior year.

1. PHYSICAL TRAINING 1. 12 WEEKS.
   Course 1 is required of all students. Elementary Swedish gymnastics, gymnastic games and individual assigned work on apparatus, with lectures on posture, personal hygiene and Swedish gymnastics.
   Summer quarter, 10-11. Miss Inez Clark.
   Fall quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.
   Winter quarter, 4-5. Miss Clark.
2. PHYSICAL TRAINING 2. 12 WEEKS.
   Course 2 presupposes Course 1. Wand and dumb-bell exercises, marching, running and basket ball.
   Winter quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.
   Spring quarter, 4-5. Miss Clark.
3. PHYSICAL TRAINING 3. 12 WEEKS.
   Course 3 presupposes Course 1 and preferably Course 2. Indian club exercises, fancy steps and basket ball.
   Spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.
   Fall quarter, 4-5. Miss Clark.
   Winter quarter,11-12. Miss Clark.
   When Courses 1 and 2 and 3 are finished, Courses 4, 5 and 6 may be taken in any order.
4. PHYSICAL TRAINING 4. 12 WEEKS.
   Indian clubs, dumb-bells, bounding balls and professional training in the teaching of the same.
   Winter quarter, 11-12, 2-3. Mrs. Burton.
5. PHYSICAL TRAINING 5. 12 WEEKS.
   Advanced work in Swedish gymnastics, hand rings, fancy steps, with lectures on progression in Swedish gymnastics, arrangement of lessons, manner of teaching, etc., and practice in teaching exercises to individuals and small squads.

Summer quarter, 11-12. Miss Inez Clark.
Fall quarter, 11-12, 2-3. Mrs. Burton.

6. PHYSICAL TRAINING 6. 12 WEEKS.

Grace hoops, wands, Indian clubs and military marching, and professional training in the teaching of the same.
Spring quarter, 11-12, 2-3. Mrs. Burton.

7. PHYSICAL TRAINING 7, 8 AND 9. 12 WEEKS.

Advanced military marching, aesthetic gymnastics, minuets and fancy club swinging.

The work is varied to meet the needs of the classes.
Fall, winter and spring quarters,4-5. Mrs. Burton.

These advanced courses are open only to those who have had two years' work, or, having done especially strong work for a shorter time, are permitted to do so by the director.

Public School Gymnastics

Offered especially for teachers who desire to get a variety of work without special attention to personal benefit.

Wands, dumb-bells, marching, fancy steps, grace hoops, bounding balls, small rings. Summer quarter, 10-11, 11-12, 2-3, 3-4, Miss Loomis and Miss Irene Clark.

PROFESSIONAL COURSES

1. TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.

Must be preceded by at least two terms of practical work, including Swedish gymnastics. The place of Physical Training in Education, the leading systems, plays and games, corrective exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.

2. HISTORY AND LITERATURE OF PHYSICAL EDUCATION. 12 WEEKS.
Fall quarter, 10-11. Professor Bowen.

3. MECHANICS OF EXERCISE. 12 WEEKS.

Lectures, demonstrations, laboratory work, and recitations, on the anatomy and mechanics of muscular exercise. Treatment of injuries is included in this course. Teachers course must precede.
Winter quarter, 10-12. Professor Bowen.

4. PHYSIOLOGY OF EXERCISE. 12 WEEKS.

Lectures demonstrations, laboratory work and recitations upon the physiological effects of exercise, with es-

pecial reference to circulation and respiration. Teachers' course must precede. Spring quarter, 10-12. Professor Bowen.

5. TEACHING. 12 WEEKS.
Professor Bowen or Mrs. Burton.

DEGREE WORK IN PHYSICAL EDUCATION

Practical Courses in Physical Training will not be credited on the work of the third or fourth college year.

Students who are not specializing in this department may elect professional courses 1, 2, 3, or 4 for the third or fourth college year.

Physical Sciences

PROFESSOR E. A. STRONG
ASSISTANT PROFESSOR B. W. PEET.
ASSISTANT PROFESSOR FRED R. GORTON.
MR. W. L. WALLING.

HIGH SCHOOL COURSES

All rooms are in the Science building.

1. PHYSICS 1.
   A demonstrative and laboratory course in the mechanics of solids and fluids. This is the fundamental subject in Physics and should be taken by all who have not had a year's work in Physics in a good high school following the completion of Algebra and Geometry. An elementary knowledge of trigonometry is desirable. Fall quarter. Professor Strong. Daily the first hour and Mondays and Wednesdays the second hour. Rooms 1 and 11.
2. PHYSICS 2.
   An elementary course in heat, light and sound with abundant demonstrative and laboratory work. Like the preceding course, it uses the graphical method freely, and employs the processes of algebra and geometry constantly Follows Course 1 or 3. Winter quarter. Daily the first hour, and Mondays and Wednesdays the second hour. Assistant Professor Gorton. Rooms 1 and 11.
3. PHYSICS 3.
   Magnetism and electricity. A full demonstrative course, with students' table work, mainly in electrical measurements. Follows Courses 1 or 2 above. Assistant Professor Gorton. Room 6. Spring quarter. Daily the first hour and Tuesdays and Thursdays the second hour.
4 CHEMISTRY OF COMMON LIFE.
   A brief popular course in the elements of inorganic and organic chemistry for the benefit of teachers in the grades

who are not able to take more extended work. It is also designed for those students who desire to understand chemical allusions in other subjects of study, and to know something of the chemistry of daily life. No previous knowledge of chemistry is necessary. Only accepted as the physical science subject required of general students in case the candidate has had a strong course in Physics. Those students desiring a somewhat complete course in chemistry should elect Chemistry 1, 2 and 3. Room 14. Assistant Professor Peet. Winter quarter. First hour daily and laboratory practice.

5. CHEMISTRY 1.

A study of the non-metals, hydrogen, oxygen, nitrogen, chlorine and their principal compounds; the gas laws and laws of chemical action; atomic theory, and the chemical equation. Lectures, with laboratory and text-book work. The laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Fall quarter. Second hour and laboratory practice. Assistant Professor Peet and Mr. Walling.

6. CHEMISTRY 2.

A study of the element carbon, some of the simpler compounds of carbon, molecular formulas, valence, periodic law, chlorine group, sulphur, nitrogen group, carbon group, dissociation theory, with a few lessons in organic chemistry. It is a continuation of Chemistry 1, and completes the study of the non-metals. The additional laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Winter quarter. Second hour. . Assistant Professor Peet and Mr. Walling.

COLLEGE COURSES

7. GENERAL ASTRONOMY.

This has reference to teachers who desire to prepare to teach nature-study in the grades. Three days a week, with abundant laboratory and observatory practice. The course is mainly a practical one, but incidentally a small text-book is mastered, and the history and literature of the subject entered upon. Fall and spring quarters. Professor Strong. Seventh hour. Rooms 1 and 25.

8. CHEMISTRY 3.

A study of the metals, largely a laboratory course, requiring two hours' work daily and instruction twice a week.

After the student has determined in the laboratory the characteristic properties of a few of the metals, he devises a scheme for their separation, and uses this scheme in the analysis of "unknowns." This plan is continued until all the common metals are studied, their characteristic properties determined, and a complete table of analysis compiled. In connection with this work, instruction is given in the metallurgy of the common ores. Graduates of approved schools may elect this course. Rooms 14 and 18. Spring quarter, second hour. Assistant Professor Peet and Mr. Walling.

9. CHEMISTRY 4. QUALITATIVE ANALYSIS.

This is a study of the analysis of the common metals. It begins with a review of the table of separation of the metals and a study of the characteristic properties of the acids. This is followed by the analysis of "unknowns." The modern theory of ionic dissociation is taught and used in connection with the reactions involved in the student's laboratory work. It is a laboratory course calling for two hours' work daily. Rooms 14 and 16. Fall quarter. Third hour and laboratory work. Assistant Professor Peet and Mr. Walling.

10. CHEMISTRY 5. QUANTITATIVE ANALYSIS.

This is a laboratory course requiring two hours' work daily. The class also meets twice a week for quiz and instruction. The work is both gravimetric and volumetric. the gravimetric portion including the determination, in simple compounds, of the common metals and acid anhydrides, and the volumetric work including the preparation of standard solutions, the determination by alkalimetry of a few of the common acids and alkalies and the determination of the elements, iron, chlorine and iodine by methods of oxidation and reduction. Students get practical work in making up solutions for the laboratory.

Winter quarter. Third hour and laboratory work. Assistant Professor Peet. Rooms 13, 14 and 16.

11. CHEMISTRY 6. QUANTITATIVE ANALYSIS.

This is a continuation of Course 5. Some time is devoted to water, milk, food and gas analysis. Spring term. Rooms as above. Third hour and laboratory work. Assistant Professor Peet.

12. CHEMISTRY 7. ORGANIC CHEMISTRY.

Follows Chemistry 1, 2 and 3. May be taken by students who have had Chemistry 1 and 2 or a year of inorganic chemistry in a high school with full laboratory work. Embraces the study of the carbon compounds and of the more important and interesting products of plants and animals. Spring quarter, first hour. Room as above. Assistant Professor Peet.

13. CHEMISTRY 8. ELEMENTARY, THEORETICAL AND PHYSICAL CHEMISTRY.

This course must be preceded by Chemistry 1, 2 and 3. It is a study of the fundamental laws and theories of Chemistry. The laboratory work consists of molecular weight demonstrations by standard methods, experiments illustrating the theory of electrolytic dissociation, practice in making up solutions of chemical reagents, and instruction in glass working. Fall quarter. First hour and laboratory work. Assistant Professor Peet.

14. PHYSICS 4, OR ADVANCED PHYSICS 1.

Electricity and magnetism. An advanced course in which the history of electrical theory and electrical discovery are strongly emphasized. Follows Physics 1, 2 and 3, or an approved course in a high school. Also follows or is concurrent with trigonometry. Fall quarter. First hour. Four times a week. Assistant Professor Gorton. Room 6.

15. PHYSICS 5, OR ADVANCED PHYSICS 2.

A demonstrative and mathematical course in advanced mechanics. Follows Physics 1, 2 and 3, or an equivalent high school course, and a good course in trigonometry. Calculus also useful. Winter quarter. Professor Strong. Fourth hour. Rooms 1 and 3.

16. PHYSICS 6, OR ADVANCED PHYSICS 3.

Sequence as in the preceding case. An advanced demonstrative course in acoustics and optics. Spring quarter. Professor Strong. Fourth hour. Rooms 1 and 2.

17. ADVANCED ASTRONOMY, OR ASTRONOMY 2.

A course in mathematical and instrumental astronomy, mainly practical, in which an attempt is made to gain a somewhat expert use of the sextant, equatorial and astronomical transit. Requires Astronomy 1, or an equivalent high school course, and plane and spherical trigonometry.

Winter or spring quarter. Twice a week with additional laboratory and observatory practice. Professor Strong. Rooms 24 and 26.

18. METHOD IN PHYSICS.

A course designed to prepare students for teaching the physical sciences in the grades and in the smaller high schools. Has special reference to the fundamental science, physics, which will be reviewed and cast into form for best presentation. Much attention will be given to simplified and improved forms of apparatus and to laboratory work in general. Follows Psychology and Physics 1, 2, and 3. Every quarter. Professor Strong. Room 1. Second hour.

19. PHYSICAL LABORATORY PRACTICE.

A practical teachers' course in the laboratory method and laboratory appliances. It is also used as a review course in physics for those who need such a review and a laboratory course for those who have had a good textbook course but inadequate laboratory facilities. Follows Physics 1, 2, and 3. Daily. Every quarter. Assistant Professor Gorton. Room 11.

20. ADVANCED LABORATORY PRACTICE.

Should be taken instead of the preceding by those who have had or are taking Advanced Physics. Mainly a practical course, with lectures upon the laboratory method. Spring or winter quarter, alternating with Advanced Astronomy. Daily. Professor Strong. Room 3.

21. PHYSICAL TECHNICS OR LABORATORY ECONOMY.

A course in the installation of laboratories and laboratory equipment. Lectures and practical work in making, selecting, testing and repairing apparatus. Includes also brief courses in manifolding, glass working, blue printing, lanterning and the manufacture of apparatus. Follows, or may be taken along with, chemistry and advanced physics. Fall quarter. Daily. Professor Strong. Rooms 11 and 12.

22. ACOUSTICS.

A special course in the physical basis of sound, with special reference to those who are carrying forward studies in music, using Zahm's Sound and Music or some equivalent author. Preferably to follow Physics 1, 2 and 3, but may be taken by any persons of maturity. Winter quarter. Assistant Professor Gorton.

23. ADVANCED THEORETICAL OPTICS.
Drude's Theory of Optics, or an equivalent. Requires Courses 6, 7 and 8 above; also a knowledge of calculus. Winter quarter. Professor Strong. Winter quarter.

24. ADVANCED PRACTICAL OPTICS
This course may be taken instead of the preceding by those who are prepared for it. Mann's Advanced Optics will be used with Drude as a reference book. Professor Strong. Winter quarter.

25. ADVANCED ELECTRICAL MEASUREMENTS.
This course may be elected instead of Courses 23 and 24, if the student has completed Advanced Physics 1

Students wishing to specialize in this department will arrange their work during the junior year with the head of the department. In case physics and chemistry have been completed in an approved high school course, the following subjects will be required: Method in Physics; Advanced Physics 2 and either 1 or 3; Chemistry 3 and 4; and seven subjects to be arranged by the head of the department. In case physics and chemistry have not been completed the patron will arrange the work of the candidate so as to include as much as possible of the above named work.

DEGREE COURSES

If the degree student is not a specialist in this department any course from 7 to 24, inclusive, may be taken except Courses 18, 19 and 21. In some Courses 5 and 6 might be permitted, but not Course 4.

If the student is a specialist in this department he may elect the required mathematics and any of the following: 12, 13, 17, 22, 23, 24.

For the A.B. specialist his elections must be confined to 12, 13, 17, 23, 24 and 25.

Psychology and Education

PSYCHOLOGY

PROFESSOR SAMUEL S. LAIRD

Assisted by

MR. H. C. LOTT. PROFESSOR N. A. HARVEY.

COLLEGE COURSES

1. PSYCHOLOGY 1. 12 WEEKS. (REQUIRED).
   Elementary work. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-book of Psychology. Fall, spring and summer quarters, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 27. Professor Laird, Professor Harvey, Mr. Lott.
2. PSYCHOLOGY 2. 12 WEEKS. (REQUIRED).
   Complete text, besides taking the following subjects in child study: Hygiene of special senses, nervousness, fatigue, sensory and motor training and adolescence. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-book of Psychology, Rowe's Physical Nature of Child. Fall and winter quarters, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 27. Professor Laird, Professor Harvey, Mr. Lott.

DEGREE COURSES

4. ADVANCED PSYCHOLOGY. 12 WEEKS. (REQUIRED).
   The purpose of this course is to do intensive work in some subjects not fully treated in Courses 1 and 2. Prescribed reading and reports thereon will supplement the work of some good text.
   Fall quarter, 11-12. Room 25. Professor Laird.
5. LOGIC. 12 WEEKS. (REQUIRED).
   The principles of this subject as discussed in Creighton's Introductory Logic will be the basis of our work. The

principles of the science will be applied in a practical manner to examples taken from Argumentative discourse. Winter quarter, 11-12. Room 25. Professor Laird.

Candidates for the degree of B.Pd. must take Courses 4 and 5. Courses 1 and 2 will not be credited on work of third or fourth year.

PEDAGOGY (General Method)

PROFESSOR NATHAN A. HARVEY

Assisted by

PROFESSOR SAMUEL B. LAIRD.

PROFESSOR DIMON H. ROBERTS AND MR. H. C. LOTT.

PEDAGOGY. (General Method), 12 WEEKS. (REQUIRED).

Must be preceded by Psychology 1 and 2. Lectures, recitations, readings and reports upon the same. McMurry's General Method, Keith's Elementary Education, Bagley's Educative Process, Tompkins' Philosophy of teaching. Students are expected to buy one of the above books. Constant reference is made to the Reports of the Commissioner of Education, Proceedings of the National Educational Association and volumes of educational periodicals.

Especial attention is given to the following subjects: The aims and meaning of education; educational values and the common school course; appreception and its educational value; the culture epoch theory and its relation to interest and concentration, and criticisms; promotion and grading. Fall quarter, 11-12, Professor Roberts; winter quarter, 11-12, Professor Roberts; spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4, Professor Harvey, Professor Laird, Professor Roberts, Mr. Lott.

SCIENCE AND HISTORY OF EDUCATION

PROFESSOR CHARLES O. HOYT

MR. H. C. COOLEY.

COLLEGE COURSES

1. HISTORY OF EDUCATION 1. 12 WEEKS.

A study of pre-Christian education. Special emphasis will be given to Grecian and Roman education. Text: Cubber-

ley's Syllabus, Part I; Davidson's History of Education; Laurie, Pre-Christian Education; Davidson's Aristotle. Fall quarter, 8-9. Room 26. Professor Hoyt.

2. HISTORY OF EDUCATION 2. 12 WEEKS.
The history of modern education from Comenius to the present. Text: Cubberley's Syllabus, Part II; Monroe's History of Education. Fall, winter and spring quarters, 8-9, 9-10, 10-11, 11-12. Room 26. Professor Hoyt, Mr. Cooley.

Students may choose either of the above courses for their required work in this department. It must be preceded by psychology 1 and 2 and pedagogy.

3. HISTORY OF EDUCATION 3. 12 WEEKS.
A study of the development and organization of the School System of the United States and of the history and problems of supervision. (1) The qualifications of the superintendent; (2) his relations and functions. Text: Chancellor, Our Schools, Administration and Supervision. Spring quarter, 10-11. Room 26. Professor Hoyt.

4. HISTORY OF EDUCATION 4. 12 WEEKS.
A critical study of educational classics. Work will be selected from The Great Didactic, The Emile, Leonard and Gertrude, Education of Man, Spencer on Education, Herbart's Lectures and others. Spring quarter, 11-12. Room 26. Professor Hoyt.
Courses 3 and 4 may be used as an elective for the Life Certificate, but must be preceded by Course 1 or 2.

5. HERBART AND FROEBEL. 12 WEEKS.
A comparative study of the educational theories of Herbart and Froebel. Their doctrines will be studied both in relation to their predecessors and contemporaries and to each other. Lectures, readings and discussions. Spring quarter, 9-10. Room 26. Professor Hoyt.

6. PHILOSOPHY OF EDUCATION. 12 WEEKS.
A consideration of some of the fundamental problems of education in their relation to civilization. Text: Horne's Philosophy of Education. Spring quarter, 8-9. Room 26. Professor Hoyt

7. INTRODUCTION TO PHILOSOPHY. 12 WEEKS.
A historical study of fundamental philosophical problems. Text: Paulsen's Introduction to philosophy. Fall quarter. 3-4. Room 26. Professor Hoyt.

8. HISTORY OF PHILOSOPHY. 24 WEEKS

An elective course for the fourth college year. Text: Falckenberg's History of Modern Philosophy. Winter and spring quarters, 3-4. Room 26. Professor Hoyt.

DEGREE COURSES

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Candidates for the degree of B.Pd. may elect Courses 3, 4, 5 or 6.

Elections for the A.B. degree must be confined to Courses 5 and 7 or 8.

One course in this department is required for each of the degrees.

Reading and Oratory

PROFESSOR J. STUART LATHERS

Miss Lillian Oliff. Mr. Benjamin Pittinger.

The work of the literary societies and debating clubs is done under the direction of the head of this department.

Students specializing in this department are required to take part of their work in the English department.

PREPARATORY COURSE

1. Reading and Orthoepy.

   A study of the correct use of diacritical marks and the intelligent use of the dictionary, with practice in oral reading.

   Fall quarter, 11-12. Room 51. Miss Oliff.

COLLEGE COURSES

2. Teachers' Reading.

   The aim of this course is preparation for the teaching of reading. It consists of a study of the elements of vocal expression, and the steps essential to a systematic course of reading in the grades.

   Fall, winter and spring quarters; three sections, 8-9, 9-10, 10-11; also fall quarter, 2-3. Room 51. Professor Lathers, Miss Oliff and Mr. Pittinger.

3. Elocution 1.

   Vocal exercises; study of sources of power in speaking and of the vocal elements, quality, force, time, and pitch; preparation and delivering of class selections.

   Fall, winter and spring quarters, 1-2. Room 51. Miss Oliff.

4. Elocution 2.

   Study of vocal technique and expression through action. This course aims to make a careful literary analysis of selections from the best literature, and, through stimulat-

ing the thinking process, to make the thought and feeling dominate voice and action.

Fall, winter and spring quarters, 2-3. Room 51. Miss Oliff.

5. ORATORY.

Study of masterpiece orations, theory of the oration and sources of the orator's power, writing and delivering of one oration, and recitation of standard selections.

Spring quarter, 11-12. Room 51. Professor Lathers.

6. SHAKESPEAREAN READING.

Study of the principles of Dramatic structure, and an examination of the plots and characters of the drama as they bear upon the vocal expression of the selections. Studies will be made of passages from Hamlet, Macbeth, Julius Caesar, Merchant of Venice, and Midsummer Night's Dream.

Fall, winter and spring quarters, 3-4. Room 51. Professor Lathers or Miss Oliff.

DEGREE WORK IN READING AND ORATORY

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Students specializing in this department should complete all of the above courses before the third college year.

Students not specializing in this department may elect Courses 3, 4, 5 and 6 in the third college year.

Training School

Faculty of the Training School

DIMON H. ROBERTS, A.M., SUPERINTENDENT.

HESTER P. STOWE,
Supervisor of Kindergartens.

EDITH ADAMS,
Assistant Kindergartner

HELENE KNEIP,
Assistant Kindergartner

MARGARET E. WISE,
Critic Teacher, First Grade

ADELLA JACKSON,
Critic Teacher, Second Grade

ABIGAIL LYNCH,
Critic Teacher, Third Grade

ELISABETH B. MCLELLAN,
Critic Teacher, Fourth Grade

*ELLA M. WILSON,
Critic Teacher, Fifth Grade

E. JOSEPHINE RICE, A.B.,
Acting Critic Teacher, Fifth Grade

ABIGAIL ROE,
Critic Teacher, Sixth Grade

EDNA T. COOK, B.S.,
Critic Teacher, Eighth Grade

MARY M. STRAGALL, Ed.B.,
Principal and Critic in High School Department

CLYDE E. FOSTER,
Supervisor of Music

BERTHA GOODISON,
Supervisor of Drawing

ALICE I. BOARDMAN,
Supervisor of Manual Training

GRACE FULLER,
Supervisor of Domestic Science and Art

ZAYDA FISH,
Assistant in Domestic Science

ANN C. WRIGHT,
Assistant in Domestic Art

ELTA LOOMIS,
Supervisor of Physical Training

ESTELLA E. BAKER,
Assistant in Manual Training

EMELYN GARDNER, A.B.,
Critic Teacher, Seventh Grade

PURPOSE AND PLAN

The leading purpose of this school is to afford an opportunity to the student for both observation and practical work in the school room. It is here that theory and practice meet, and

* Absent on leave.

consequently the work of this department should test in a very large measure the ability of the teacher to do successful work in the public schools of the state. As far as possible the aim is to make the school fulfill a double function in being both a model and a training school. An attempt is made to keep abreast of the times in all that pertains to the interests of the children who constitute the school. Special attention is given to planning and execution, the keeping of school records, and the general management of the grade room. All work is done under the immediate supervision of expert training teachers and under the general direction of the superintendent, who is the executive of the department.

The course of study is continuous through kindergarten, primary, intermediate and grammar grades, and the first two years of high school work, making it possible for Training School pupils to enter the regular four years' life certificate course (see page 48).

While the school was established primarily for the purpose of training teachers, yet the principle is maintained that the interests of the pupil are the most important consideration; and it is believed that whatever advances the well-being of the child best serves the purpose for which the school was created.

The pupils enrolled come from the city and surrounding country. Tuition is free to all, and the school is gradually working toward the free text-book system. At present nearly all supplies are furnished in the lower grades; and, in the higher grades, pupils are required to furnish only such books as represent the more formal work.

All applications for admission of new pupils should be made at the office of the superintendent. Those entering from other schools will facilitate matters by bringing with them letters of transfer, records, or promotion cards.

Children are admitted to the kindergarten between the ages of four and six years but may not be admitted to the first grade before the age of six. Promotion will take place regularly three times a year at the opening of each school term, thus making it possible to begin work of a grade in September, January and April. By this plan the system of promotion is made more flexible, inasmuch as each grade contains three sections separated from one another in time by one-third of the school year.

STUDENT TEACHING

All work in observation and student teaching must be done

during the second year of the life certificate course, except in the case of those who are to take the limited certificate. Under the latter condition the Training School practice and observation may be made a part of the last full quarter's work.

Under the present arrangement of the college year the teaching quarters will be the fall, the winter, and the spring. *Carefully note the following*:

1. All students must have completed the courses in psychology, 1, 2, and general method before entering upon the work of this department.

2. At least three of the fundamental teachers' courses in the common branches must be successfully passed, *and all conditions and failures in academic or professional subjects vital to success must be removed before students are admitted for observation or teaching in the training school.*

3. Students are not permitted to take more than two subjects in college in addition to the regular training school work.

4. The number of student teachers doing work in the department during any one quarter will be limited approximately to one-third the membership of the senior class.

5. The amount of teaching and observation required will be two hours per day, during one quarter. Each of the hours in the training school counts the same as an academic subject and is entitled to as much time for outside preparation.

6. All assignments for work in the training department and changes in the same are made by the superintendent.

7. By special arrangement with the superintendent and the head of the college department students may elect one-half of their teaching in the preparatory department.

8. All students classifying for work in the training school must reserve the hour from 3 to 4 for criticism.

9. The work in the training school consists of teaching, observation, making subject and lesson plans, assisting the critic teachers in various ways, making written reports, attending critic and general meetings, and becoming familiar with the course of study and workings of the school.

HOURS FOR TEACHING

The hours in the training school are from 8:30 to 11 for the kindergarten, first and second grades; from 8:30 to 11:30 for the other grades; and from 8:00 to 11:00 for the high school. In the

afternoon all grades except the kindergarten are in session from 1 to 3. The half hours before 9 and after 11 o'clock in the elementary grades are reserved for critic teachers.

SUBJECT PLANS

In order that the work in the training school may be systematically planned and executed, the student teacher is required to make and submit subject plans based upon the scope or extent of the material included in the general notion involved.

The critic teacher will direct the time and manner for their use.

LESSON PLANS

For more specific work of daily recitations, carefully prepared lesson plans in accordance with the general spirit of the natural steps of instruction are required from each student teacher.

OBSERVATION

One of the most important features of the work in the training school is the observation of the method and management of the schoolroom. Carefully prepared outlines are placed in the hands of the student teacher as a basis for such observation. These outlines deal with the mechanical management of a grade and practical schoolroom psychology and child study; such as attention and interest, discipline, perception and apperception, imagination, memory, suggestion, imitation and habit, the lesson as a whole, together with a careful study and characterization of the individual children composing any given class.

As occasion offers a carefully planned illustrative lesson is conducted by each critic teacher in the presence of the student teachers of the grade. A plan is placed before the student teachers, and the criticism period of that day is devoted to a discussion of the plan, the method employed, and results attained.

CRITIC TEACHERS

Each critic teacher has charge of a grade, devotes a part of her time to the teaching of the same, supervises the work of the student teachers, and observes and makes needed reports to the superintendent of the department.

The amount of teaching done by the critic varies as the interest and work of the school demand her personal efforts. For two weeks at the opening of each quarter, the instruction

is exclusively in her hands. She does the teaching each day during the periods from 8:30 to 9 and 11 to 11:30, and is expected to take charge of one or more classes each day for the benefit of such teachers as most need her assistance. We are coming to believe more and more in the value of model teaching by those who are fully prepared for such work both by training and experience.

The critic has immediate charge of all the work of the student teacher in directing the making of subject and lesson plans, the work of observation, the writing of reports based on observations in the schoolroom, and the execution of plans. She meets her student teachers three times each week at three o'clock for the purpose of reviewing the work of the day, examining the lesson plans, instructing in method, and hearing and discussing reports of observation in child study.

SCHOOL EXERCISES

Chapel exercises are held regularly on Friday morning of each week in the training school assembly hall. These exercises consist of a simple devotional program, supplemented each time with music and dramatizations by the children from one or more of the grades.

Special programs appropriate to the occasion are given at Thanksgiving, Christmas, Washington's Birthday, Memorial Day, and at the close of the school year.

All of these exercises are public, and patrons and friends of the school are cordially invited to attend. Student teachers are especially welcome and are invited to join the children in the devotional part of the program.

THE COURSES OF STUDY

Detailed outlines of work in reading, nature study, history, geography, arithmetic, language, music, drawing, physical training, manual training and domestic science are followed in all grades of the department.

SPECIAL TRAINING SCHOOL COURSES

Special Course for Critic Teachers

On account of the demand throughout the country for specially trained critic teachers the College will offer to a limited

number of applicants an opportunity for pursuing such a course of study.

All candidates for this course must have completed the work for the life certificate, and must have furnished satisfactory evidence of their general teaching ability.

The Superintendent of the Training School acts as patron for students pursuing this line of work. All applications for admission to this course shall be submitted to the College Council and selections will be based upon:

1. Scholarship.
2. Personality.
3. Success in teaching children.
4. Ability to work with adults.

THE COURSE ITSELF CONSISTS OF:

1. Seventy-two weeks of electives from third or fourth year college subjects.

2. An equivalent of seventy-two weeks of work in the Training School as assistants to the regular critic teachers in making courses of study, doing model teaching, doing special and general critic work, and in a study of the principles and methods of constructive criticism.

The degree of E.Pd. will be granted upon the satisfactory completion of this course of study.

Special Kindergarten-Primary Course

The specializing Kindergarten-Primary Course consists of:

1. Group of Required Subjects. (See p. 50....144 Weeks
2. Electives under direction of the patron....144 "

NOTE—The Superintendent of the Training School is the patron of this department. The subjects determined by the patron include:

Kindergarten instruction 1, 2, 3.
Kindergarten-Primary Music.
Primary Nature Study.
Elementary drawing 1, 2.
Blackboard Sketching.
Mythology.
Teachers' Grammar.
Teachers' Arithmetic.
Teachers' Geography.
Teachers' History.
Teaching in Kindergarten.
Principles of Criticism 1.

Kindergarten Courses

MISS HESTER P. STOWE.

The courses in kindergarten instruction, open only to specializing students, are as follows:

1. KINDERGARTEN 1. 12 WEEKS.
   Should be preceded by Psychology 1. Kindergarten gifts 1, 2, 3; hand work—clay modeling, sewing, slat interlacing, weaving, folding; study of Froebel's Mother Play Book; songs and games.
   Fall and winter quarters, 1-2. Kindergarten room.
2. KINDERGARTEN 2. 12 WEEKS.
   Must be preceded by Kindergarten 1. Kindergarten gifts 4, 5, 6; hand work—geometrical folding, free hand cutting, school of cutting, intertwining; continue study of Froebel's Mother-Play Book; songs and games.
3. KINDERGARTEN 3. 12 WEEKS.
   Must be preceded by Kindergarten 1, 2. Kindergarten gifts 7, 8, 9, 10; hand work—color work, cardboard modeling, baskets and braided work with florist's fiber, willow basket weaving; continue study of Froebel's Mother Play Book; songs, games and stories.
   Fall and spring quarters, 2-3 and 1-2. Kindergarten room.

Reference books used:

Education of Man.—Froebel.
Pedagogics of Kindergarten—Froebel.
Symbolic Education—Blow.
Froebel's Education Laws.—Hughes.
Psychology of Froebel's Play Gifts—Snider.

Special Manual Training Course

MISS ALICE I. BOARDMAN.
MISS ESTELLA E. BAKER, ASSISTANT.

In addition to the regular manual training in the grades of the Training School a course of study has been arranged for Normal students who wish to specialize in this line. This course aims to train teachers for general supervision of manual train-

ing. In addition to the group of required subjects (see page 50) the work is largely a laboratory course and requires ten hours a week during the Two Years' College Life Certificate Course. The course includes bench work; mechanical drawing; designing in Indian basketry and Venetian bent iron; raffia work; weaving; cardboard construction, based on mechanical drawing; clay modeling and lectures on subjects allied to manual training.

Students are required to make original models to be left with the department; to make estimates of lumber and other materials for class work, and also to make various estimates for the equipment of a class room under the existing conditions of schools as they will be found in different towns and cities of the state.

An outline of the specializing course in this department is given below in order that prospective students may gain an idea of the work required.

In the summer a course will be offered, in which no credit will be given, for the purpose of giving non-specializing students an opportunity to familiarize themselves with the hand work for the primary grades.

COURSE OF STUDY IN MANUAL TRAINING FOR SPECIALIZING STUDENTS

1.	Group of Required Subjects (see p. 50)....	144 Weeks
2.	Elementary Drawing 1, 2.....	24 "
3.	Mechanical Drawing	12 "
4.	Advanced Drawing 1.....	12 "
5.	Blackboard Sketching	12 "
6.	Bench Work.....	36 "
7.	Basketry, bent iron work, raffia.....	12 "
8.	Card-board construction, weaving, clay modeling	12 "
9.	Electives	24 "

Domestic Science and Art Course

Miss Grace Fuller.

Miss Zayda Fish, Assistant in Domestic Science.

Miss Ann C. Wright, Assistant in Domestic Art.

The purpose of the department of Domestic Science and Art is to afford training in the subjects which pertain to the care

of the individual and the home, including the scientific, economical and wholesome preparation of food, and the suitable and artistic clothing of the person.

Since most positions at present open to teachers in all lines of manual work require a command of more than one subject, the Normal College has planned a specializing course for training teachers in both Domestic Science and Domestic Art. The requirements for admission are the same as those for other college courses leading to the life certificate. For students who have pursued elementary chemistry and physics in accepted high schools, other electives of equal culture value may be chosen. In addition to the group of Required Subjects (see p. 50) the course will include practical work in bacteriology, cookery, dietetics, serving, marketing, household economics, hygiene and laundry work, drafting, machine sewing, black-board sketching, millinery, and hand work for the primary grades. The hand work will include weaving, basketry, and designing similar to that which is done in the last year of the specializing course in manual training. (see p. 132).

The practical work in cookery will aim to demonstrate its leading principles, and their modification in preparation of food for infants, invalids, and adults under widely different conditions.

Under dietetics will be studied the composition of the body; its waste and repair; need of food; kinds and proportions required; composition of various food materials; use of each in the body and their digestibility; best methods in cooking in order to secure greatest nutritive value at the least cost; ways of meeting individual needs; calculation of dietaries for persons of different ages and engaged in different occupations.

Serving includes the economical purchase and preservation of food.

Household economics gives attention to the care of the house and its furnishing; sanitation, the scientific principles involved and practices conducive to maintaining healthful conditions.

All subjects are taught through manual activity, requiring the preparation of meals in cooking and the making of actual garments in sewing.

An outline of the courses in education, chemistry, drawing and bacteriology will be found in the announcement of courses in their respective departments.

On account of the multiplicity of classes, the course in Domestic Science and Art may begin only with the fall quarter.

Course of Study

1.	Group of required Subjects (see p. 50)....	144	Weeks
2.	Elementary and Organic Chemistry.....	36	"
3.	Elementary Drawing and Design.....	24	"
4.	Bacteriology	12	"
5.	Cookery	36	"
6.	Household Economics, marketing and serving, laundry work, sanitation and home nursing	12	"
7.	Sewing, basketry, weaving and elementary hand work	24	"

ANNOUNCEMENT

of the

SUMMER SCHOOL

Huron
River
Scene

FACULTY OF THE SUMMER SCHOOL

L. H. JONES, A.M., PRESIDENT.

FLORUS A. BARBOUR, A.M.,
Professor of English.

BENJAMIN L. D'OOGE, A.M., PH. D.,
Professor of Latin and Greek.

ELMER A. LYMAN, A.B.,
Professor of Mathematics.

SAMUEL B. LAIRD, A.M.,
Professor of Psychology.

RICHARD CLYDE FORD, PH. D.,
Professor of French and German.

J. STUART LATHERS, B.L.,
Professor of Reading and Oratory.

WILBUR P. BOWEN, M.S., B. PD.,
Professor of Physical Education.

NATHAN A. HARVEY, PH. D.,
Professor of Pedagogy and Institute Conductor.

JOHN C. STONE, A.M.,
Associate Professor of Mathematics.

FREDERICK R. GORTON, PH. D.,
Assistant Professor of Physics.

B. W. PEET, M.S.,
Assistant Professor of Chemistry.

ABIGAIL PEARCE, PH. B., B. PD..
Assistant Professor of English.

S. D. MAGERS, M.S.,
Assistant Professor of Physiology.

HELEN B. MUIR,
Instructor in Latin and Greek.

FLORENCE SHULTES, B. PD.,
Instructor in History.

MARY B. PUTNAM, PH. B., M. PD.,
Instructor in Civics and Economics.

CLYDE B. FOSTER,
Instructor in Music.

JESSIE PHELPS, M.S.,
Instructor in Natural Sciences.

MINOR E. WHITE,
Assistant in Music.

MARY A. GODDARD, B.S.,
Instructor in Natural Sciences.

ALMA BLOUNT, PH. D.,
Instructor in English.

ANNIE H. OLMSTED,
Instructor in Drawing.

LOTA H. GARNER,
Assistant in Drawing.

IDA B. P. FLEISCHER, PH. D.,
Instructor in French and German.

INEZ M. CLARK,
Assistant in Physical Education.

RUTH PUTNAM,
Assistant in Music.

CLEMENS P. STEIMLE,
Assistant in Mathematics.

CHARLES C. COLBY,
Assistant in Geography.

LUCY S. NORTON, A.B.,
Instructor in History.

HENRY C. LOTT, A. M., M. PD.,
Instructor in Psychology.

MARY M. STEAGALL, ED. B., PH. B.,
Instructor in Natural Science.

LILLIAN OLIFF,
Assistant in Reading and Oratory.

SIDNEY P. TRATHEN,
Assistant in Mathematics.

JENNIE L. MATTESON,
Assistant in Mathematics.

H. C. COOLEY, A.B.,
Instructor in History of Education.

IRENE O. CLARK,
Assistant in Physical Education.

L. ELTA LOOMIS,
Assistant in Physical Education.

DARREL H. DAVIS, A.B.,
Assistant in Geography.

H. ETHEL CHILDS,
Assistant in Drawing.

LIDA CLARK,
Assistant in Drawing.

GUY B. BATES,
Assistant in Mathematics.

TRAINING SCHOOL

DIMON H. ROBERTS, A.M., SUPERINTENDENT.

MARGARET E. WISE,
First Grade.

ADELLA JACKSON,
Second Grade.

ABIGAIL ROE,
Sixth Grade.

ELLA M. WILSON,
Fourth and Fifth Grades.

EMELYN E. GARDNER, A.B.,
Seventh Grade.

HELENE KNEIP,
Assistant Kindergartner.

GRACE FULLER,
Domestic Science and Art.

ANN C. WRIGHT,
Domestic Art.

EDITH ADAMS,
Kindergartner.

ESTELLA BAKER,
Manual Training.

SUMMER SCHOOL OF THE MICHIGAN STATE NORMAL COLLEGE

The Faculty of the Michigan State Normal College will offer work in all its departments, during the six-weeks' Summer Session of 1907. The Library and Laboratories will be open, and all other facilities of the institution will be placed at the disposal of the students.

The Conservatory of Music will be open in all its departments. Tuition will be free to Summer School students in all classes pertaining to public school music.

Summer School will begin June 24, and close August 2.

Monday, June 24, will be Classification Day.

Classes will begin recitations Tuesday, June 25. It is especially desirable that students begin work on that day.

The courses offered will be, *regular*, *special*, and *general*, as folllows:—

REGULAR COURSES

Students pursuing regular work, and desiring credit, will be able to complete two subjects of twelve weeks each, in either general or specializing courses of the College, by taking two recitations per day in each subject. They will enjoy the additional advantage of attending the lectures on general educational topics, which will be given at frequent intervals during the session, by men of national reputation, and which will be free to all students, both regular and special. The lectures will occur at an hour in which they will not conflict with regular classes.

SPECIAL COURSES

Courses in General Method will be offered by members of the faculty and by others engaged for the purpose. These courses will be of such a nature as to make them of special value to teachers who have had experience in teaching or supervising, and who wish to broaden and deepen their knowledge in the light of that experience.

Special courses of six weeks will be offered also for village and rural school teachers, and for those wishing to prepare for examinations before County Boards or the State Board of Education.

Additional sections will be formed in these classes if necessary.

Courses of six weeks will also be given in methods in various departments.

An observation school will be conducted by the faculty of the training school, including the kindergarten and first seven grades. Special attention will be given to manual training in these grades.

Classes in Domestic Science and Art will be given during the entire term.

The new science building will be used by the science department. Well-equipped physical, chemical, zoölogical, geological, and botanical laboratories will be open to students, without extra expense. The geographical department will offer excursions to points of interest in connection with this important branch of school work.

The Conservatory of Music will be open during the entire six weeks of the Summer Session. Courses in public school music and methods of teaching, and in voice culture, sight singing and harmony, will be given free to members of the Summer School.

Students desiring individual lessons may take them at follows:—

VOCAL

From the Director of the Conservatory, each lesson	$2.50
Mrs. Frederic H. Pease	2.00
Miss Isabella Gareissen	75

PIANOFORTE

Professor Minor White	$1.50
Miss Ruth Putnam	1.50
Miss Blanche Abbott	80

VIOLIN

Miss Abba Owen	$1.00

ORGAN

From the Director of the Conservatory, each lesson	$2.00
Miss Frances Strong	1.00

The department of drawing will give special attention to work suitable to those wishing to become supervisors of this branch, as well as to those who wish general class work in drawing. The entire art collection of the department will be at the service of the classes.

A well-equipped gymnasium for men, and one for women, will be open with regular work suited to the needs of students of the Summer School. Methods in adapting gymnastic exercises to public schools will receive careful attention.

GENERAL COURSES

The general lecture courses which have proved so popular and helpful in the last few years will be given again this year. *These are all free.* They will consist of lectures on educational themes of interest to teachers who seek inspiration, improvement, and advancement in their profession, and will be given for the general benefit of the whole body of students.

PRESTON W. SEARCH, so widely and favorably known for his educational lectures, will give a course of popular evening lectures, and a course of pedagogical lectures in the afternoons. He will continue his work through the five days of the second week of the term. Mr. Search took advanced educational work at Clark University and at the University of Jena. He is the author of that remarkable book, "The Ideal School." Dr. Hall said of this book, "It is a book I wish I could have written." His wide experience as school superintendent, editor, traveler, and art critic, has given Mr. Search a high standing among educators, while his platform presence is inspiring to all. His lectures alone will be worth attendance at the summer school.

CHARLES WALTON SEYMOUR, of New York, the noted lecturer on historical themes, will be present two days of the third week and two days in the fourth week. He speaks upon the life and times of some of the greatest characters in history. His lectures are at once inspiring and instructive. His fine use of English especially recommends his lectures.

O. J. KERN, County Superintendent of Schools of Winnebago County, Illinois, will be with us part of the week July 15 to 19. Mr. Kern is without doubt the foremost county superintendent in the country, in the wisdom and energy he has put into the improvement of rural schools. He will give illustrated lectures on rural school conditions.

WILLIAM WALLACE STETSON, State Superintendent of Public Instruction of Maine, for the last twelve years, will be with us part of the week July 29 to August 2. Superintendent Stetson is an incisive speaker of national reputation. He has a happy faculty of putting profound educa-

tional philosophy in simple but striking form. In the twelve years he has been at the head of the public school system of Maine, he has greatly advanced all grades of public education in that state. He is the originator of the "standard school" idea, which has developed such wide-spread interest in the rural schools of the east. A rare opportunity is offered our students in his coming.

RECAPITULATION

Week beginning June 24—
" " July 1—Preston W. Search
" " " 8—Charles Walton Seymour
" " " 15—Charles Walton Seymour and O. J. Kern
" " " 22—
" " " 29—W. W. Stetson

This is, without doubt, the strongest and most brilliant course of lectures ever planned for a Summer School in the West.

The President's Round Table

President L. H. Jones will conduct a Round Table, at which practical educational questions and problems will be discussed. This cannot fail to be of personal interest and value to every progressive teacher.

Fees

The regular fee for the six weeks is $3.00. This fee covers all the work of the departments and all lectures.

Those taking the course for village and rural schools only, will not be charged any fee.

All lectures are free to all members of the Summer School.

Good table board can be had at $2.25 to $2.50 per week. Rooms cost from 75c to $1.50 per week. Rooms for light housekeeping can be had at slight expense.

Location

The Michigan State Normal College is located at Ypsilanti. Ypsilanti is a beautiful and healthful city, having a population of about 8,000. The College buildings are on high ground, overlooking the city, giving almost ideal conditions for a Summer School. The city is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the Michigan Central System. The Ypsilanti branch of the Lake Shore and Michigan Southern gives a means of approach from the south and west. The D. Y. A. A. & J. electric line passes through the College Campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

Purpose

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the work of the college. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a training school of ten grades and kindergarten is conducted. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching, under expert supervision and criticism.

Buildings and Equipment

The College occupies six buildings upon a campus of thirty-six acres. Separate buildings are devoted to Physical training, the Training School, the Students' Christian Association, Science, and the Conservatory of Music. The main building, besides lecture rooms, contains the Assembly hall, with chairs for a thousand persons, the general and most of the department libraries, the astronomical observatory, the museum, and the general offices.

The Gymnasium has a full and modern equipment of apparatus, including wall and floor pieces, baths and a running track, metric machines, and provisions for directed games and indoor recreation.

The Conservatory of music, in addition to the regular prescribed and elective work of the College courses, given without extra cost (see pp. 24-5), offers private lessons in voice culture, piano, pipe organ, and other instruments for which the usual fees are charged. The opportunities for a varied, expert, and professional training in musical theory and execution, are not surpassed in the Northwest.

The several laboratories are furnished with tables and apparatus for individual instruction in chemistry, physics, botany, zoölogy, geology, astronomy, and physiology.

The Library occupies three large rooms, one of which is set apart for reference works and the use of readers. It has 30,000 volumes, and is easily accessible to students.

The Faculty

Instruction for the summer term will be given by the regular members of the faculty, including heads of departments, together with assistant professors and instructors, and additional assistants wherever needed. The work for the summer school is under the control of the State Board
'on, as is that of any other part of the year.

Credits

As the courses of instruction offered during the summer school are given by the regular members of the College faculty, credits in them may be earned in the same way as at any other time of the year.

By action of the council, not more than twenty-four weeks' credit may be earned during the summer school of six weeks. A large number of courses giving six weeks of credit will be offered. Such subjects as are required for graduation will be given as twelve weeks courses, and classes will meet for recitation twice each day during the session.

Students not working for credits upon a college course, will have their classification arranged to suit their individual needs, and may enter without examination.

Conditions of Entrance

Those who are working for credits will be held to the same conditions for entrance as apply to other quarters of the year. The following quotation from the records of the State Board of Education explains itself:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in the state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the college, quite fully express this change of policy:

Buildings and Equipment

The College occupies six buildings upon a campus of thirty-six acres. Separate buildings are devoted to Physical training, the Training School, the Students' Christian Association, Science, and the Conservatory of Music. The main building, besides lecture rooms, contains the Assembly hall, with chairs for a thousand persons, the general and most of the department libraries, the astronomical observatory, the museum, and the general offices.

The Gymnasium has a full and modern equipment of apparatus, including wall and floor pieces, baths and a running track, metric machines, and provisions for directed games and indoor recreation.

The Conservatory of music, in addition to the regular prescribed and elective work of the College courses, given without extra cost (see pp. 24-5), offers private lessons in voice culture, piano, pipe organ, and other instruments for which the usual fees are charged. The opportunities for a varied, expert, and professional training in musical theory and execution, are not surpassed in the Northwest.

The several laboratories are furnished with tables and apparatus for individual instruction in chemistry, physics, botany, zoölogy, geology, astronomy, and physiology.

The Library occupies three large rooms, one of which is set apart for reference works and the use of readers. It has 30,000 volumes, and is easily accessible to students.

The Faculty

Instruction for the summer term will be given by the regular members of the faculty, including heads of departments, together with assistant professors and instructors, and additional assistants wherever needed. The work for the summer school is under the control of the State Board of Education, as is that of any other part of the year.

Credits

As the courses of instruction offered during the summer school are given by the regular members of the College faculty, credits in them may be earned in the same way as at any other time of the year.

By action of the council, not more than twenty-four weeks' credit may be earned during the summer school of six weeks. A large number of courses giving six weeks of credit will be offered. Such subjects as are required for graduation will be given as twelve weeks courses, and classes will meet for recitation twice each day during the session.

Students not working for credits upon a college course, will have their classification arranged to suit their individual needs, and may enter without examination.

Conditions of Entrance

Those who are working for credits will be held to the same conditions for entrance as apply to other quarters of the year. The following quotation from the records of the State Board of Education explains itself:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in the state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the college, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public school systems having not less than thirty-six weeks per year, in which four full years are devoted to high school work, with not less than two thoroughly equipped teachers wholly employed in distinctively high school work, be admitted to the regular two-years life certificate college courses without examination.

2. That all pupils who have finished not less than two years of high school work in a twelve-year course, as above outlined, be admitted on their record to the four-year life certificate course in the Normal College, receiving credit on this course for all work which they may have already done beyond the first two years of the high school course. Students are urgently advised, however, to complete the high school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the college.

3. That the pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, at the discretion of the faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily completed on the first trial; and that all such cases be reported back to the high schools from which they came, with the facts in each case, to the end that the superintendents and principals of high schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination, may, at the discretion of the faculty, be withdrawn from graduates of such schools."

Persons who do not desire credit on the books of the

college for work done, will be admitted without examination to such courses as their previous training warrants.

Graduates of colleges of high rank, and persons that have taught under a life certificate granted by the State Board of Education, or a first grade teacher's license that has been endorsed by the State Superintendent of Public Instruction, are also exempt from entrance examinations.

Graduates of accepted high schools should bring their high school credits with them. Blanks will be furnished on application. These should be filled out and signed by the principal of the high school, or by the superintendent, and presented together with the diploma on entering, or soon thereafter. No other credentials are necessary.

Schedule of Classes—Summer School—1907

7–8	8–9
Animal Studies (8-9) Arithmetic, Teachers' (8-9) Botany, Field (8-9) Geography, Teachers' (8-9) Geography, Teachers' (8-9) German, Advanced (3 4) *Grammar, Preparatory Grammar, Teachers' (8-9) Greek 1 (2-3) History of Education (2-3) Psychology 1 (8-9) Psychology 2 (8-9)	Algebra, Higher (2-3) *Algebra, Review Animal Studies (7-8) Arithmetic, Teachers' (7-8) Blackboard Sketching (9-10) Botany, Field (7-8) Cæsar (11-12) Chemistry 1 *Civil Government Civics, Teachers' (9-10) Domestic Art (9-10) Drawing, Elementary 1 (9-10) Drawing, Elementary 2 (9-10) French 1 (2-3) Geography, Teachers' (7-8) Geography, Teachers' (7-8) German Comp. and Conversation(1-2) Grammar, Teachers' (7-8) Harmony 1 (9-10) History of Education (3-4) History, Greek (9-10) Latin 1 (11-12) Manual Training Music, Elements 1 (9-10) Music, Teachers' (9-10) Physical Education, Teachers' (9-10) Physics, Principles of (9-10) Psychology 1 (7-8) Psychology 2 (7-8) Shakespeare Tennis (women)
9-10	**10-11**
*Algebra, Review *Arithmetic, Review Blackboard Sketching (8-9) *Botany, Elementary Chemistry 3 (10-11) Chemistry 1 Lab. (2-3) Civics, Teachers' (8-9) Domestic Art (8-9) Drawing, Elementary 1 (8-9) Drawing, Elementary 2 (8-9) Geometry, Method in Geometry, Plane (3-4) Geometry, Review German 1 (2-3) Grammar, Teachers' (2-3) Harmony 1 (8-9) History, Greek (8-9) *History, United States Latin Writing Literature, Adv. English 2 (10-11) Music, Elements 1 (8-9) Music, Teachers' (8-9) Nature Study Pedagogy (General Method) (10-11) Physical Education, Teachers (8-9) Physics, Principles of (8-9) Physiology Teachers' (3-4) Principles of Criticism 1 (10-11) Reading, Teachers' (1-2) *Rural School Gymnastics Tennis (Women)	*Arithmetic, Review Arithmetic, Teachers' (11-12) Botany, Physiological (11-12) Chemistry 3 (9-10) Chemistry 4 (11-12 2-3) Cicero, De Senectute Domestic Science (11-12) Drawing, Advanced (11-12) Drawing, Elementary 2 (11-12) Drawing, Elementary 1 (11-12) Elocution 1 (3-4) French, Advanced (3-4) Geography, Teachers' (11-12) Geography, Teachers' (11-12) Grammar, Preparatory *History, General *History, United States Literature, Advanced English 2 (9-10) Music, Kindergarten-Primary (11-12) Pedagogy (General Method) (9-10) *Physical Education, History of Physical Laboratory Practice (11-12) Physical Training 1 (Women) Political Economy (11-12) Principles of Criticism 1 (9-10) Psychology 1 (11-12) Public School Gymnastics Shakespearean Reading (3-8) Trigonometry (11-12) Voice Culture (11-12) Zoölogy and Physiology, Intro. (11-12)

*For rural Schools.

Schedule of Classes—Summer School—1907

11–12	1–2
Algebra, Review Arithmetic, Teachers' (10-11) Botany, Physiological (10-11) Cæsar (8-9) Chemistry 4 (10-11, 2-3) Domestic Science (10-11) Drawing, Advanced (10-11) Drawing, Elementary 1 (10-11) Drawing, Elementary 2 (10-11) Geography, Teachers' (10-11) Geography, Teachers' (10-11) *History, General *History, United States Latin 1 (8-9) Manual Training Music, Kindergarten Primary (10-11) Physical Laboratory Practice (10-11 Physical Training 5 (Women) Political Economy (10-11) Psychology 1 (1-2) Psychology 1 (11-12) Public School Gymnastics Trigonometry (10-11) Voice Culture (10-11) Zoölogy and Physiology, Intro.(10-11)	*Arithmetic, Review Drawing, Elementary 1 (1st half) Drawing, Elementary 1 (2-3) German Comp. and Conversation (8-9) Psychology 1 (11-12 Reading, Teachers' (9-10)
2–3	**3–4**
Algebra, Higher 1 (8-9) *Algebra, Review *Arithmetic, Review Chemistry 4 (10-12) Chemistry 1 Lab. (9-10) Drawing, Elementary 1 (1-2) Drawing, Elementary 1 (2d half) French 1 (8-9) German 1 (9-10) Grammar, Teachers' (9-10) Greek 1 (7-8) Harmony 2 (3-4) History, Advanced American (3-4) History of Education (7-8) *History, General (review) Music, Elements 2 (3-4) *Physics, Review *Physiology, Review Psychology 1 (3-4) Public School Gymnastics Public School Gymnastics Shakespearean Reading (10-11) Tennis (men)	*Algebra, Review *Arithmetic, Review Blackboard Sketching Elocution 1 (10-11) French, Advanced (10-11) Geometry, Plane (9-10) German, Advanced (7-8) *Grammar, Preparatory Harmony 2 (2-3) History, Advanced American (2-3) *History, General (review) History of Education (8-9) Music, Elemen's 3 (2-3) Physical Training (men) Physiology, Teachers' (9-10) Psychology 1 (2-3) Public School Gymnastics
4–5	
Blackboard Sketching	

*For Rural Schools.

An hour number following a subject indicates that this class meets also at the second hour named.

Summer School of 1907

DETAILS OF DEPARTMENTS

ANCIENT LANGUAGES

COURSES IN LATIN:—

1. *Beginners' Latin*—Two recitations daily, except Mondays. The work done will be equivalent to that of the first quarter in the regular course. This work will be of such character as to enable one pursuing it to continue the study of Latin to advantage without a teacher, if need be. Credit, 12 weeks. Hours, 8-9, 11-12 a.m. Room 34. Professor D'Ooge.

2. *Caesar.* Two recitations daily, except Tuesdays. A full term's work in Caesar will be covered, and such training in the art of translating will be given as will enable a pupil to continue the work without a teacher, if need be. Credit 12 weeks. Hours 8-9, 11-12 a.m. Room 35. Miss Muir.

3. *Latin Writing.* This course is planned especially to meet the needs of teachers who feel themselves weak in Latin composition. Practical problems in Latin Syntax will be discussed, and especial attention will be given to the cultivation of a good Latin style. Credit, 6 weeks. Hour 9-10 a.m. Four days weekly. Room 34. Professor D'Ooge.

4. *Cicero—De Senectute.* This course will prove of value to students who wish to continue the study of Latin beyond the fourth year. It will be equivalent to the work done during the first six weeks of the regular college course in fifth year Latin. Credit, 6 weeks. Hour 10-11 a.m. Four days weekly. Room 34. Professor D'Ooge.

COURSE IN GREEK:—

Beginners' Greek—Two recitations daily, except Fridays. The work done will be equivalent to that of the first quarter in the regular course. Credit, 12 weeks. Hours 7-8 a.m., 2-3 p.m. Room 35. Miss Muir.

These courses are tentative selections merely, hence are subject to alteration or withdrawal. An effort will be made to adapt the work given to the desires and requirements of the students who present themselves.

Students in the Summer School will have free access to the department library of several hundred volumes, consisting of the best authorities on the language and literature of Greece and Rome. This will afford abundant opportunity to such as wish to pursue private studies and investigations.

DRAWING

COURSES

1. *Elementary Drawing* I.—

8-10.	Miss Clark.	Room 10.	12 weeks' credit.
10-12.	Miss Garner.	Room 50.	12 weeks' credit.
1-2.	Miss Childs.	Room 10. First half	6 weeks' credit.
2-3.	Miss Childs.	Room 10. Sec. half	6 weeks' credit.
1-3.	Assistant.	Room 50.	12 weeks' credit.

This course takes up the study of the following type forms: The sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament.

2. *Elementary Drawing* II.—

8-10.	Miss Olmsted.	Room 50.	12 weeks' credit.
10-12.	Miss Clark.	Room 10.	12 weeks' credit.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications; borders, book covers, etc. A brief study of Greek architecture and ornament is also given

Course 1 must precede Course 2.

3. *Blackboard Sketching.*—

8-10.	Miss Garner.	Room 24.	12 weeks' credit.
3-4.	Miss Childs.	Room 24.	6 weeks' credit.
4-5.	Miss Childs.	Room 24.	6 weeks' credit.

Elementary drawing 1 and 2, or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study..

Those who do not care for credit in Blackboard Sketching may classify in the 4-5 class.

4. *Advanced Drawing.*

10-12. Miss Olmsted. Room 14. 12 weeks' credit.

Advanced Drawing 1. Elementary drawing 1 and 2, or their full equivalent must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers, and other subjects covering the main problems in decorative design.

Advanced Drawing 2. Elementary drawing 1 and 2, or their full equivalent must precede.

The work in this course is in charcoal, from still-life and casts. Landscape composition is studied, with some out-of-door sketching.

Either Course I or II will be offered.

ENGLISH

Courses

1. *Teachers' Grammar.* (a) A rapid academic review of the subject in Whitney's Essentials of English Grammar. (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Section 1. Two hours daily;7-9. Room 41. Miss Pearce.

Section 2. Two hours daily; 9-10 a.m., 2-3 p.m. Room 43. Miss Blount. Credit, 12 weeks.

2. *Principles of Criticism* 1. Lectures upon Principles of Criticism preparatory to the study of poems selected from the American poets. It should be noted that the course is not a study of American Literature, but an attempt to apply the principles of criticism to certain selections from American poetry. It should prove suggestive and helpful to teachers of literature in elementary schools or high schools. Room 40. 9-11 a.m. 12 weeks' credit. Professor Barbour.

3. *Advanced English Literature* II. A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. Three novels will be given special consideration as illustrating the subject-matter of the lectures: Ivanhoe, Silas Marner, and Vanity Fair. The aim is to make the course a suggestive one not only for high school teachers, but for any teachers of narrative prose.

Two hours daily; 9-11 a.m. Room 42. Miss Pearce. 12 weeks' credit.

4. *Shakespeare.* A six weeks' course of lectures on the technical construction of the drama. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Rather full discussion of the dramatic intent and purpose of Shakespeare in three of his great tragedies (Hamlet, Macbeth, and King Lear), will be presented as illustrating the principles of construction given in preceding lectures. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

One hour daily; 8-9 a.m. Room 40. Professor Barbour. 6 weeks' credit.

5. *Preparatory Grammar.* A topical review of the most important constructions in English Analysis, together with a review of Etymology. The course should be especially useful for students desiring to get a third grade certificate by county examination. As many sections will be made as may be required to accommodate all pupils wishing to take this course. One class will meet at 7; one at 10; and another at 3 o'clock. Each class will be divided into sections, if necessary.

GEOGRAPHY

1. *Teachers' Geography.* 12 weeks. Two recitations a day. This course is designed to prepare students for teaching geography in the public schools, as far as its subject matter is concerned. It deals with the nature and use of maps, and the study and teaching of weather and climate.

Four sections—

7-9. Room 21, Mr. Colby.

7-9. Room 18, Mr. Davis.

10-12. Room 18, Mr. Davis.

10-12. Room 18, Mr. Colby.

2. *Elementary Geography.* A review of the continents by Mr. Colby with Tarr & McMurry as a text and illustrative exercises in teaching actual classes of children. Mr. Colby, if his time allows. Applicants should see him the second day of the summer school. Six weeks, one hour a day.

HISTORY

1. *United States History.* An elementary course adapted to the needs of those wishing to prepare for the county examination. The ground covered will depend entirely upon the proficiency of the class. Text-book, any good United States history. 9-10, 10-11, 11-12. Room 48. Credit in preparatory history on examination. Miss Norton.

2. *Civil Government.* This course in government as well as that in U. S. History will be conducted in the interest of students preparing for a county examination. Text-book, James and Sanford. Credit in preparatory history on examination. 8-9. Room 48. An assistant.

3. *General History.* The course is elementary, and seeks to meet the needs of those desiring preparation for county examinations. One hour daily. The sections from 10-11 and 11-12 are intended for those who have never studied General History; sections from 2-3 and 3-4 for those who are reviewing. 10-11, 11-12, 2-3 and 3-4. Room 36, Miss Shultes.

4. *Advanced American History.* This course is designed for advanced students, and presupposes a thorough elementary course. The work is arranged with special reference to teaching the subject. Text-book, MacLaughlin, or some work of like grade. Hours, 2-4. Credit, 12 weeks college work. Room 48. Miss Norton.

5. *Greek History.* Text-book, West's Ancient History, with assigned library work. Hours, 8-10. Room 36. Miss Shultes.

6. *Teachers' Civics.* The preparation for this course must include the usual high school civil government. Lectures and assigned reading. Two hours daily. 8-10. Credit, 12 weeks. Room 49. Miss Putnam.

7. *Political Economy.* The work follows a text-book, supplemented with research work. Two hours daily. 10-12. Credit, 12 weeks. Room 49. Miss Putnam.

MATHEMATICS

1. *Arithmetic.* A review for those who wish to prepare for teachers' examination. Six weeks. Five sections. 9-10, 10-11, 1-2, 2-3, 3-4. Mr. Steimle, Mr. Bates.

2. *Elementary Algebra.* A review of algebra through quadratics for those who desire to prepare for teachers' examination. Five sections. 8-9, 9-10, 11-12, 2-3, 3-4. Miss Matteson and Mr. Trathen.

3. *Plane Geometry.* Twelve weeks. 9-10 and 3-4. Mr. Trathen.

4. *Review Geometry.* A review for those who wish to prepare for teachers' examinations. Six weeks. 9-10. Mr. Steimle.

5. *Trigonometry and Logarithms.* An elementary course in plane trigonometry and the use of logarithmic tables. Twelve weeks. 10-12. Associate Professor Stone.

6. *Higher Algebra.* A comprehensive review of elementary alegbra, together with the study of the idea of a function, the remainder theorem, determinants, the graph and theory of equations. Twelve weeks. 8-9, 2-3. Mr. Steimle.

7. *Teachers' Arithmetic.* This Course will be carried on partly by lectures and partly by reviews and discussions of typical parts of the subject. It is assumed that those who enter know arithmetic, algebra and geometry, and have some knowledge of psychology. Twelve weeks. Two sections. 10-12 Professor Lyman. 7-9, Associate Professor Stone.

8. *Method in Geometry.* This course is designed for teachers. The history of the introduction and development of the various parts of geometry will be considered. Special attention will be given to method of attack. Six weeks. 9-10, Professor Lyman.

MODERN LANGUAGES

GERMAN COURSES:—

1. *For Beginners.* Twice daily. Pronunciation, conversation, and reading based on careful drill in the grammar. One term's credit. 9-10, 2-3. Room 22. Dr. Ida Fleischer.

2. *Conversation and Composition.* Twice daily. 8-9. 1-2. Room 22. Dr. Ida Fleischer.

3. *Advanced Review Course.* Twice daily. This class is for those who may wish to refresh their knowledge of the language, and gain a new fund of information and enthusiasm. 7-8, 3-4. Room 50A. Professor Ford.

A special effort will be made in this class to meet the wants of high school teachers of German. Questions concerning the methods and pedagogy of modern language teaching will be freely discussed in the advanced class, and all students will be given opportunity to inform themselves on subjects in which they feel the need of advice and assistance. They will also have free access to the department library of several hundred volumes, consisting of the best works on German history, language, and literature. This will enable them to pursue various courses of reading and to make for themselves bibliographies of the subjects in which they are especially interested.

FRENCH COURSES:—

1. *For Beginners.* Twice daily. Drill in pronunciation, grammar, conversation and reading. One term's credit. 8-9, 2-3. Room 50A. Professor Ford.

2. *Advanced Course.* One or two hours a day, as occasion demands. 10-11, 3-4. Room 50A. Professor Ford.

The courses outlined in the department are not necessarily fixed, and may be changed if their is sufficient need for it.

Once a week Professor Ford will meet all the students in the Modern Language courses and discuss subjects relating to the geography, history or literature of France and Germany. This work will be quite informal, but profitable.

MUSIC

1. *Elements of Music.* This course is designed, primarily, for those who have never studied the rudiments of music. It is a beginners' class, but it will also afford an opportunity to those who have already taught music to review the subject and give them the benefit of observing the professional work done by the regular instructor. 8-10. Mr. White.

2. *Elements of Music* 2. 2-4. Mr. White.

3. *Kindergarten and Primary Grade Music.* This course includes the foundation principles, upon which the best methods are based, for presenting the subject of elementary

music in the primary grades. A careful study is made of each phase of the work, from kindergarten through the third year, under such heads as: The use of the child's voice (how to cultivate and retain vocal purity), ear training, the development of the tonal and rhythmic sense, the treatment of monotones and song interpretation. A sequence of selected children's songs, with suggestions for presentation and artistic rendering, will be given. It is desired that the students have some knowledge of instrumental music as an aid in the development of rhythm. 10-12 Conservatory. Miss Foster.

4. *Teachers' Course in Public School Music.* A critical study is made in this course of the professional aspects of the subject, together with the best ways of presenting it in the eight grades. The series of lessons includes the detailed course, children's use of the voice, the art of teaching music reading, the discussion of various methods, and the proper conducting of classes 8-10. Conservatory. Miss Foster.

5. *Voice Culture.* Principles of tone production developed, and attention given to each individual voice. Emphasis is placed upon the last point. This course is open to all students. Solo singing is introduced, and the rudiments of voice culture are developed. Special attention is given to the training and guidance of the child's voice in speaking and singing. 10-12. Conservatory. Miss Putnam.

6. *Harmony* 1. Students entering this class should have had elements of vocal music and should be able to play the piano or organ sufficiently well for playing chords and hymn tunes. The work consists of the study of chords and intervals, their construction, analyzation, and mental effects. 8-10. Conservatory. Miss Putnam.

7. *Harmony* 2. 2-4. Mr. White

NATURAL SCIENCES

BOTANY, ZOÖLOGY, PHYSIOLOGY AND NATURE STUDY.

1. *Elementary Botany.* The chief aim of this course is to fit the teacher to pass the county examination required for second and third grade certificates, but it also aims to give a good review in botany for those desiring such work. It will be largely a lecture course. Some microscopical work will be done and questions ordinarily covered in county examinations will be discussed. Many of the important activities of a plant will be

explained by means of experiments, and much illustrative material from the school gardens and elsewhere will be used in the class room. One or two field excursions will be arranged for. No credit. Rooms F and H, Science building. 9-10 daily, and other sections as needed. Miss Goddard and Miss Steagall

2. *Field Botany.* The work in this course will include much outdoor study. It will deal with such problems as cross pollination, seed distribution, the light relation of leaves, adaptation of plants to their environment, their struggle for existence, and their classification according to moisture. It will also aim to make the student familiar with as many as possible of our common trees and other plants. In addition to this there will be microscopical work done on the structure of typical roots, stems and leaves in order that the student may understand the work of plants. Numerous excursions will be made to various points in the vicinity. Each student should be provided with Bergen's Revised Elements and a simple lens. Ladies should have short skirts for tramping. Six weeks' credit. 7-9 a.m. daily. Rooms F and H, Science building. Miss Goddard.

3. *Physiological Botany.* This course deals with the life activities of the entire plant. Special emphasis will be laid upon the processes of respiration, starch formation and the part which the sun's energy plays in plant life. There will be treated by direct individual experiment such problems as digestion, irritability, growth, etc. Enough microscopic work will be done upon plant structure to render the experiments intelligible. This laboratory work will be supplemented with outdoor observations and lectures. Six weeks' credit. Rooms F and H, Science building. 10-12 daily. Miss Goddard.

4. *Animal Studies.* This is an abridgment of the regular twelve weeks' course of the same name. It attempts to deal in a practical way with the material of nature study used in the grades, primarily for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required.

Since as much time as possible will be spent out of doors

each member of the class should have a small collecting pail, small, wide-mouthed bottles and, if possible, a pair of field or opera glasses and hand lens. It is suggested that the women be provided with heavy shoes, short, stout skirts and caps.

Text: Jordan, Kellogg & Heath, "Animal Studies." (Appleton). Six weeks' credit. Room M, 7-9 daily. Miss Phelps.

5. *Introduction to Zoölogy and Physiology.*—This course for beginners or advanced students is designed primarily for teachers of zoölogy and physiology in the grades and high school. The general anatomy and physiology of the frog and toad and their development from the egg to the adult, together with the preparation and microscopical study of a few of the primary tissues will be presented by actual laboratory work. Six weeks' credit.

Combined with the course in Animal Studies full credit of twelve weeks will be earned in Zoölogy.

Room M, Science building. 10-12 daily. Class limited to twenty members. Miss Phelps.

6. *Physiology Review.* The chief object in this course is to prepare teachers to pass the county examinations in this subject, giving them at the same time as clear an understanding as possible of human anatomy, histology, physiology, hygiene, and contagious disease. The work will consist of recitations, lectures, and demonstrations, the department being well supplied with models, skeletons, charts, preparations and thin sections, available for individual study. An elementary knowledge of the subject is assumed. Credit will be given in preparatory physiology to those who satisfactorily complete the course. Daily, 2-3. Room K. Assistant Professor Magers.

7. *Teachers' Physiology.* While this course is intended primarily as a preparation for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol and narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Credit, 12 weeks. Room K. Class meets twice a day, 9-10 and 2-4. Assistant Professor Magers.

8. *Primary Nature Study.* A course of lectures and demonstrations intended primarily for teachers of the elementary grades and those who have the supervision of such work. There will be discussed the underlying principles of the subject and the most important aims and methods. Certain special topics recommended for the primary school will be presented for purposes of illustration. Complete courses of study for the first four grades will be outlined and suggestions given in regard to the collection of material, its care, and devices for the study of live forms in the school room. The question of the school garden will receive special attention and illustration. Hour 9-10. Room A. Since no special requirement is made, there will be no credit. Miss Phelps.

THE PHYSICAL SCIENCES

1. *Principles of Physics.* This course is designed to cover the entire subject of physics as a demonstrative and review course. It will deal mainly with the principal laws of physics and their applications. The course is intended for students who have had the subject in high schools, with inadequate facilities for demonstrative experiments. A special feature of this course will be the study of the transmission and transformation of power used by the electric road whose power plant is in the city, and the municipal pumping and lighting station operating from the Huron River. A two-hour course with 12 weeks' credit. Daily from 8-10. Room 6, Science Building. Assistant Professor Gorton.

2. *Physical Laboratory Practice.* A general course in elementary laboratory practice, with full quiz upon the entire subject. May be taken by those who have had a full year of physics in a high school, but have had insufficient laboratory practice; by those who wish in this way to review and obtain credit for the entire subject; or by specialists in this department who wish to have a laboratory course, but for any reason cannot get advanced laboratory practice. A two-hour course with 12 weeks' credit. Daily 10-12. Room 6 and 11, Science Building. Assistant Professor Gorton.

3. *Elementary Review of Physics.* A one-hour course for which no credit is given. This course is given to accomodate those preparing for teachers' examinations. The course is largely demonstrative and particular attention is given to the

solution of problems. Daily 2-3. Room 6, Science Building. Assistant

4. *Chemistry* 1. A beginning course in the chemistry of the non-metals, with demonstrative and laboratory work. Twelve weeks' credit. Recitation 8-9. Laboratory work 9-10 and 2-3. Rooms 14 and 18, Science Building. Assistant Professor Peet and Assistant.

5. *Chemistry* 3. This course is offered especially to students who have had a year of chemistry in an approved school. It is a laboratory course in the study of the metals. Six weeks' credit, 9-11. Rooms 14 and 18, Science Building. Assistant Professsor Peet.

6. *Chemistry* 4. A course in qualitative chemical analysis following chemistry 3 of this institution or equivalent work elsewhere. A three-hour course with twelve weeks' credit. 10-12 and 2-3 daily. Rooms 14 and 18, Science Building. Assistant Professor Peet and Assistant.

PHYSICAL EDUCATION

Courses for Women.

1. *Physical Training* 1. 10-11, Miss Inez Clark. Daily lessons in Swedish Gymnastics, exercises being given for all parts of the body with a view to general increase in vigor and to correction of faulty posture. School room games are a feature of each lesson. The regulation suit is required in this course and may be obtained here for about $5.00. It is sometimes possible to rent suits for the season.

2. *Physical Training* 5. 11-12. Miss Inez Clark. Open only to those who have had three quarters of work in Normal College, or some other institution from which work can be credited. First two weeks, lessons in Bounding Balls, with accompanying body movements, four weeks' Indian Club swinging and fancy steps.

Note: The lectures usually given with these two courses may be arranged for by consulting with Miss Inez Clark. Credit will then be given.

3. *Public School Gymnastics.* 10-11, 2-3, Miss Irene Clark. 11-12, 2-3, 3-4, Miss Elta Loomis. This course requires no special suit and is designed to give to teachers material for use in public schools. Lessons will be given in Free Hand Gymnastics, March-

ing, Fancy Steps, Wands and Indian Clubs. Work will be gone over rapidly, and each day the lesson will be posted, that the students may copy if they desire.

4. *Rural School Gymnastics.* 9-10, Miss Irene Clark. Similar to course 3, but adapted more for use in Rural Schools.

5. *Tennis.* 8-9, 9-10, Miss Inez Clark. Instruction in the playing of the game will be given, and credit will be given for one advanced course of required work.

Courses for Men.

1. *Gymnasium Work.* Daily, 3-4, Professor Bowen. The kind of work done in this class will depend upon the needs of the class. It may take the line of Swedish Gymnastics, German apparatus work, club swinging, hand ball, or basket ball, according to the preparation and wishes of those entering. If there are a sufficient number wishing more than one of these lines, a section may be formed at another hour. Special suits will be necessary for this work.

2. *Tennis.* 2-3, Professor Bowen. At this hour Professor Bowen will have charge of a class in tennis, in which credit may be earned as in other work in the department The courts are also open to the students at other hours. Twenty students can play at one time. The demand is so great that it is necessary to reserve a place for a certain hour. Places may be reserved by arrangement with Professor Bowen. Those reserving hours must use them or the right is forfeited. The courts are reserved for women from 8-10 a.m. and for men from 2-4 p.m. At other hours either men or women may reserve places.

3. *Public School Gymnastics.* The classes in Public School and Rural School Gymnastics, listed under courses for women, are also open to men, and no special suit is required.

PROFESSIONAL COURSES

(These courses are academic work, and are open alike to men and women).

1. *Teachers' Course in Physical Education.* Lectures, recitations and training in methods of teaching. The course includes a study of the need for physical education, its aims and the principles by which it is guided; formal gymnastics, both cor-

rective and recreative; and plays and games. The course presupposes at least two terms of practice, including at least one term of Swedish gymnastics. This is one of the regular teachers' courses of the college and gives 12 weeks' credit. Daily, 8-10, Professor Bowen.

2. *Plays and Play Grounds.* Professor Bowen will give a course of five lectures on the history and development of plays and games and of the present movement for the maintenance of public play grounds. Time and place will be announced later.

3. *History and Theory of Physical Education.* This is a course consisting largely of reading and reports upon the same, covering the history of physical education and the various systems of training. The facilities for such a course are excellent, as the library is well supplied with material for such study. The course is designed for students specializing in this department and presupposes the teachers' course. The two courses, may, however, be taken together. Daily, 10-11, Professor Bowen.

PSYCHOLOGY AND EDUCATION

PSYCHOLOGY AND GENERAL METHOD.

Psychology 1. Recitations, readings, and reports upon the same. The class will cover about the work outlined in the first nine chapters of Titchener's Primer of Psychology. The work will be based upon Titchener's Primer and Angell's Psychology. There will be four sections. Each section will recite twice a day. 7-9, 10-12, 1-3, 2-4. Rooms 27 and 25. Mr. H. C. Lott.

Psychology 2. Recitations, readings, and reports upon the same. The class will cover the work outlined in Titchener's Primer, Chapters X to XV, inclusive, and Rowe's Physical Nature of the Child. Titchener's Primer or Angell's Psychology. One section, 7-9. Professor Laird. Room 25.

General Method. This course will be open to all regular students who desire credit, and to such special students of the Summer School as may wish to broaden themselves along the line of the more important principles of education. Especial attention will be given to Education, its meaning and purpose; the course of study and the relative educational values of the subjects constituting the same; the nature and educational value of interest; inter-relation of studies; examination, promoting and grading of pupils; and the inductive-deductive teaching process.

The work will be conducted by means of lectures, reports, and class discussions. 9-11. Room 25. Professor Laird.

SCIENCE AND HISTORY OF EDUCATION.

3. *History of Education.* A study of the educational problems since the seventeenth century. This course will be divided into two parts as follows: (a) An intensive study of the educational doctrines of modern education and their development. This will be done by means of work on assigned topics and readings, reports and discussions. Hours, 7-8, 8-9. Room 26. Mr. Cooley. (b) A course of lectures on the lives and work of the great educators, including Comenius, Rousseau, Pestalozzi, Froebel, Herbart and Horace Mann. Hours 2-3, 3-4. Room 26. Mr. Cooley.

Students desiring credit in this subject must take both parts of this course. Those not working for credit will take part (b).

READING AND ORATORY

1. *Elocution* 1. 12 weeks' credit. 10-11 a.m. and 3-4 p.m., four days a week. Miss Oliff.

Vocal exercises, study of sources of power in speaking and of the vocal elements, quality, force, time and pitch; preparation and reading of classic selections.

2. *Shakespearean Reading.* 12 weeks' credit. 10-11 a.m. and 2-3 p.m., four days a week. Professor Lathers.

A study of the principles of Shakespeare's dramatic art and an examination of the plots and characters of the drama as they bear upon the vocal expression of selections rendered by the class. Studies will be made of passages from Hamlet, Macbeth, Julius Caesar, and Merchant of Venice.

3. *Teachers' Reading.* 12 weeks' credit. 9-10 a.m. and 1-2 p m. Professor Lathers.

The aim of this course is preparation for the teaching of reading. It consists of a study of the elements of vocal expression, and the steps essential to a systematic course of reading in the grades. A discussion of the methods of primary and grammar grade reading and of the relation of the reading work to literature.

In addition to the above courses a class will be organized to deal with the problem of teaching reading in the rural schools.

TRAINING SCHOOL

Superintendent— DIMON H. ROBERTS.

Kindergarten—Edith Adams, assisted by Helene Kneip.
First Grade—Margaret E. Wise.
Second and Third Grades—Adella R. Jackson.
Fourth and Fifth Grades—Ella M. Wilson.
Sixth Grade— Abigail Roe.
Seventh Grade—Emelyn E. Gardner.
Manual Training—Estella E. Baker.
Domestic Science— Grace Fuller.
Domestic Art—Ann C. Wright.

The training department will open a school for observation during the *first four weeks* of the summer term. The kindergarten and all the elementary grades with the exception of the eighth will be in session from 8-11 a.m. each day.

The teaching will be entirely in the hands of the regular critic teachers, and the work will aim to illustrate accepted methods in manual training, domestic science and art, nature study, language, reading and literature, arithmetic, geography and history.

Students electing observation in the Training School will be expected to do regular work and report regularly to the critic teachers in charge. The hour from eleven to twelve each day will be set apart for informal talks by the critic teachers; for the general discussion of lesson plans, methods, courses of study, principles of education, and for the consideration of questions which naturally grow out of illlustrative teaching.

No credit is given in this department during the summer term; but a certificate of attendance may be issued by the superintendent to those teachers who have been regular in their observation work and who have been present at the discussion from eleven to twelve during the four weeks which the school has been in session.

DOMESTIC SCIENCE AND ART

In addition to the illustrative work in domestic science and art in the grades of the Training School, the following special courses will be offered to the summer students:

Domestic Science. A course of twenty-four lessons in the study of food in its relation to (1) life processes, (2) economic conditions. This will be illustrated by lectures upon digestion and assimilation, fuel and economic values, and by practical work upon the selection, preservation, and preparation of food. Credit will be given only to those who continue specializing in this line of work.

Domestic Science room, Training School building. 10-12. Miss Fuller.

Domestic Art. A course in elementary sewing as taught in the grades will occupy a considerable portion of the time. Millinery, art needle work, blackboard sketching, and drafting of patterns may be elected. Domestic Art room, Training School building, 8-10. Miss Wright.

MANUAL TRAINING

Work in manual training will be carried on in the different grades of the Training School.

A course of twenty-four lessons will be offered to summer students in which no credit will be given, except to those who specialize in this department. The course will consist of work not requiring especially equipped rooms, and will include work in clay moulding, free paper cutting, weaving, cardboard construction, raffia, basketry and bent iron.

Manual Training room, Training School building, 8-9 and 11-12. Miss Baker.

Names of Students

HIGH SCHOOL DEPARTMENT

NINTH AND TENTH GRADE STUDENTS

Albertson, Bessie ..... Ypsilanti
Albertson, Ruth ..... Ypsilanti
Aldrich, Dean ..... Ypsilanti
Barker, Clara ..... Canton
Barnes, Robert ..... Ypsilanti
Bartlett, Lula .....Ann Arbor
Bates, Ben ..... Edon, O.
Benjamin, Lysle ..... Denton
Berdan, Hattie ..... Ypsilanti
Blair, Mary ..... Ypsilanti
Brooks, Lucile ..... Ypsilanti
Bruce, Frances ..... Brown City
Burgess, Ethel ..... Denton
Burrell, Asa ..... Belleville
Carpenter, Elsie M.....Sand Creek
Clark, Calla ..... Belleville
Colvan, Percy E. ..... Ypsilanti
Cooper, Hazel ..... Ypsilanti
Dolby, Millie L. ..... Ypsilanti
Donahue, Rose ..... Ypsilanti
Ferguson, Kier C. ..... Ypsilanti
Finch, Theron ..... Ypsilanti
Forbes, Agnes ..... Ypsilanti
Freeman, Belle ..... Ypsilanti
Gillman, Beryl ..... Stockbridge
Gwinn, Florence ..... Ypsilanti
Harris, Ralph ..... Milan
Head, Frank ..... Milan
Hindelang, Odo ..... Ypsilanti
Hitchingham, Adelaide ..... Whittaker
Hitchingham, Mamie ..... Milan
Huegel, Dorothy ..... Ypsilanti

Lambie, Mary E. ..... Ypsilanti
Lamphere, Helen ..... Ypsilanti
Lawrence, Lester ..... Ypsilanti
Miller, Rhoda M. ..... Ypsilanti
Morris LeVerne ..... Romulus
McClaughry, Clara ..... Romulus
McMillen, Carl ..... Ypsilanti
McMillen, Clifford ..... Ypsilanti
McRobert, Margaret ..... Ypsilanti
O'Brien, Gertrude ..... Ypsilanti
O'Connor, Gladys ..... Ypsilanti
Palmer, Omar ..... Maybee
Quackenbusch, Leola ..... Ann Arbor
Roberts, Allie M. ..... Ypsilanti
Sage, Genevieve M. ..... Ypsilanti
Rogers, Lorna ..... Ypsilanti
Saunders, Flora B. ..... Ypsilanti
St. Clair, Jennie ..... Clauvin
Smellie, Donald G. ..... Ypsilanti
Smith, Earl ..... Ypsilanti
Smithe, Geneva ..... Ypsilanti
Surbrook, Edna ..... Detroit
Timmonds, Edith ..... Ypsilanti
Walker, Laura ..... Ypsilanti
Walker, Tressie ..... Canton
Webb, Alexander ..... Ypsilanti
Wigle, Joy W. ..... Ypsilanti
Williams, Flora ..... Ypsilanti
Woolsey, John ..... Ypsilanti
Woolsey, Louie ..... Ypsilanti

PREPARATORY STUDENTS

Baker, Rannie B. ..... Townley
Barton, Mary ..... Milan
Braun, Clara Regina ..... Ypsilanti
Burrell, Mabel Gennie ..... Denton
Davis, Clara E. ..... Ypsilanti
Dunn, Mildred ..... Carleton
Frebbs, Lucy G. ..... Willis
French, Faye Catherine ..... Onondaga
Gittins, Jennie ..... Denton
Glenn, Blanche ..... Gregory
Hannah, Jennie ..... Pickford

Hardy, Edna A.....Willis
Hopkins, Lucy .....Milan
Huegel, Dorothy H.....Ypsilanti
Hughson, Vesta Elizabeth .....East Jordan
Kelly, Anna.....Ypsilanti
Lawson, Olive Aves.....Willis
Maggy, Amos .....Kenton
Merritt, Lynn .....Ypsilanti
Oelke, Marie B.....Willis
Parks, Rhoda .....Howell
Richmond, M. Ola.....Ann Arbor
Seeley, Nellie C.....Elsie
Sheridan, Clara R.....Flushing
Stringham, Louise .....Grand Rapids
Weaver, Nina E. .....Ann Arbor
Zink, Lydia K.....Carleton

FIRST YEAR STUDENTS

Anderson, Junetta .....Tustin
Ayres, Orpha M.....Dearborn
Bingham, Ethel .....Coldwater
Canfield, Henman .....Fayette, O.
Crane, George A.....Anderson
Ferguson, Charles D.....Almont
Francisco, Jessie .....Ceresco
Hawkins, Lucile .....Reed City
Hilborn, Oral .....Tiro, O.
Hiscock, Marjorie T.....Ypsilanti
Houck, Florence.....Milan
Hyames, Judson A.....Gobleville
Maggy, Percy F. J.....Kenton
Matthews, Emma C.....Walled Lake
Mills, Milton E.....Port Sanilac
McCarthy, William E.....Fenton
Norris, Ransom .....Ypsilanti
Palmer, Leah .....Brooklyn
Percy, Grace M.....Ypsilanti
Reeve, Florence .....Leoni
Sage, Inez .....Ypsilanti
Showers, Zada May.....Ypsilanti
Sweezey, Edna.....Troy, Kas
Sweezey, Mae B. .....Troy, Kas.
VerSchoor, C. A.....Ypsilanti

Vincent, Nellie L.....Flat Rock
Walker, Chester E.....Almont
Webb, Beatrice .....Ypsilanti
Wilson, Addison ..... Montgomery
Wilson, Clarence D.....Ogden Centre
Wilson, Margaret.....Montgomery
Woods, Aleda Jeannette.....Denton
Woods, Imogene Avis.....Berlin
Zeilman, Martha R.....Hamburg

SECOND YEAR STUDENTS

Austin, Nina .....Plymouth
Babcock, Earl .....Britton
Bloom, Mollie.....St. Ignance
Briggs, Myrtle .....Edenville
Brown, Lillian G.....Coopersville
Campbell, Emma .....Lamb
Clute, F. Josephine .....Ypsilanti
Coleman, Nellie .....Lakeview
Gates, Helen Limbocker.....Trenton
Huffman, Roy .....Yale
Matthews, Ina Marie.....Ypsilanti
Minard, Charlis W.....Ypsilanti
Moorhouse, Gertrude .....Sanford
Morris, James Leslie.....Ypsilanti
Newington, Mary Elizabeth.....Romulus
Orr, Winnifred .....Manistique
Palmer, Eva N.....Maybee
Reed, Hazel.....Ypsilanti
Scholes, Mary .....Elkhart, Ind.
Slater, A. M.....Pontiac
Smith, John Harrison.....Belleville
Stanchfield, Rex .....Ann Arbor
Underwood, Leshia .....Ypsilanti
Vermenlen, Nelly .....Zeeland
Weber, Leslie Henry.....Elkton
Whitaker, Florence E..... Ypsilanti
Woodbury, Nellie Boldman.....Canton

THIRD YEAR STUDENTS

Abell, Mrs. E. L.....Buchanan
Ableson, Carrie .....Ypsilanti
Abling, Rose M. .....Morenci

Adair, Anna O.....Ypsilanti
Adams, May E.....Eaton Rapids
Adams, Mildred .....Byron
Agnew, Rachel E. .....Mt. Clemens
Agnitch, Agnes .....Calumet
Allman, Edna A.....Bay City
Amberson, Margaret .....Port Huron
Amos, Lulu .....Henderson
Anderson, Mabel .....Traverse City
Andrews, Florence .....Orchard Lake
Armstrong, Pearl .....Lapeer
Arnold, Hazel.....Marine City
Arnold, Mattie E.....Saranac
Arnold, Neva I .....Marcellus
Arnot, Sara .....Mt. Clemens
Atchinson, Grace Irene.....Flint
Atwood, Bernice Alta.....Grand Rapids
Aubery, Catherine E.....Traverse City
Backus, Rosamond .....Dansville
Bailey, Freda Ellen.....Lowell
Baker, Etta.....Menominee
Baker, Grace .....Fenton
Baker, Henry W.....Mears
Baker, Vida E.....Elkhart, Ind.
Baldwin, Pearl M. .....Fowler
Ball Bessie O.....Mason
Ball, Gertrude .....Ypsilanti
Banghart, Georgia .....Mayville
Barkell, Alma .....Hubbell
Barnard, Carrie .....Coldwater
Barrett, Florence L.....East Jordan
Barritt, Blanche E.....Williamston
Bartlett, Alice Carolyn .....Memphis
Bartlett, Earl .....Clinton
Bartlett, Hattie May .....Ann Arbor
Barton, Helen M.....Mansfield, O.
Bartron, Ruth Irene.....Newago
Basler, Carl D.....Lowell
Bassett, Iba Sereno.....Ypsilanti
Bates, Warner J.....Edon, O.
Baushke, Ruth.....Benton Harbor
Beach, Mary .....Denton
Beebe, Leona May.....Tipton

Bell, Mary.....E. Las Vegas, N. M.
Beman, Donna E.....Grass Lake
Bennett, Blanche L. .....Wixom
Bennett, Edna.....Burr Oak
Bennett, Emma .....Lapeer
Bennett, Susie May.....Wixom
Beyer, Rose .....Lapeer
Bliss, Bernice .....Rochester
Bolton, Hattie.....Akron, O.
Bond, Lettie A.....Ypsilanti
Bornor, Floy .....Albion
Bower, Ella Weltha.....Greenville
Bowler, Teresa A.....Lapeer
Boynton, Royal J.....Hillsdale
Bradley, Ruby I.....Lyons
Brady, Iva .....Shelby
Brainerd, Effie L.....Vassar
Breitenwischer, Bertha .....Manchester
Brewer, Jessie M.....Leonard
Briggs, Bessie .....Portland
Brigham, Olive A.....Plainwell
Brown Gladys.....Union City
Brundage, Perry .....Belleville
Burch, Katherine M.....Hubbardston
Burch, Ray W.....Bellaire
Burck, Cora O.....Ithaca
Burean, Adelaide M.....Detroit
Burke, Lottie E.....Shelby
Burkhart, Lelah Grace.....Fowlerville
Burlingame, Bertha A.....Martin
Bush, Blanche E.....Ypsilanti
Bush, Isaac Walker.....Ypsilanti
Busley, Sadie .....Paw Paw
Butler, Lavinia M.....Bellevue
Cadwell, Ruel .....Pinckney
Caldwell, Spray Vera.....Constantine
Campbell, Celia .....Troy, O.
Card, Maud E.....Laingsburg
Carling, Mary .....Grand Rapids
Carpenter, Bessie .....Pontiac
Carpenter, Mary .....Pontiac
Carr, Mary.....Union City

Carroll, Lotta E.....Negaunee
Carter, Mary G.....Ann Arbor
Case, Lucretia .....Ypsilanti
Cassidy, Mary .....River Rouge
Caswell, James T. .....Jasper
Catton, Edna O.....Constantine
Chapman, Earl O.....Ypsilanti
Chapman, Helen Eva.....Bangor
Chase, Marion .....Mt. Vernon, O.
Clark, Chas. S.....Dexter
Clark, Louise .....Belding
Cleaver, Lois .....Cass City
Clumpner, Guy.....Post Falls, Idaho
Cole, Eathel Elizabeth.....Sturgis
Colgan, Eugene A.....Dowagiac
Collins, Mary Margaret.....Ann Arbor
Colvin, Della Emory.....Pontiac
Colvin, Ruth .....Pontiac
Colwell, Jennie .....Detroit
Combs, George .....Moscow
Conway, Reine.....Allegan
Cooley, Maud Amber .....Marlette
Coon, Leila .....Three Rivers
Cooney, Bessie .....Durand
Corbin, Edna .....Hart
Cortright, Frances E. .....Hillsdale
Cottingham, E. May .....Detroit
Coulthard, Cecile M.....Ypsilanti
Coulthard Myrtle V.....Ypsilanti
Counsell, Ella .....Howell
Cowell, Laura O.....Ypsilanti
Cox, Mrs. S. Louise.....Ypsilanti
Cramblet, Mabel .....Muskegon Heights
Crampton, Abigail .....St. Clair
Crawford, Florence O. .....Armada
Crawford, Ralph O. .....Ypsilanti
Crittenden, Fannie .....Ypsilanti
Crill, Innez L.....Pontiac
Culp, Merle .....Colon
Cummins, Clara E .....Burr Oak
Curtis, Ella Pauline.....Detroit
Cushman, Belle .....Bath

Daggett, Edith ..... Pentwater
Dailey, Maud May ..... Grand Rapids
Davidson, Martha ..... Hubbell
Davis, Clarke E. ..... Burnips Corners
Davis, Jane ..... Flint
Davis, John O. ..... Pentwater
Davis, Nellie M. ..... Albion
Davis, Vera Estella ..... Olivet
Davis, Winifred Mae ..... Ypsilanti
Dean, Helen M. ..... Ann Arbor
Dean, Mabel ..... Quincy
DeLand, Elma ..... Flushing
Dersch, Albert G. ..... Cadillac
Deubel, Ethel ..... Ypsilanti
DeVine, Minnie Ellen ..... Hastings
DeWeerd, Ida ..... Holland
Dickerson, Charlotte Edna ..... Augusta
Dicus, Florence ..... Ypsilanti
Dicus, Harriet ..... Ypsilanti
Diehl, Louise M. ..... Marshall
Dix, Agnes O. ..... Lake Linden
Dockstader, Rena M. ..... Centerville
Dolph, Hazel ..... Saginaw
Donahue, Maud ..... Colling
Donnelly, Sara ..... Ann Arbor
Donough, Helen ..... Cassopolis
Dougherty Evelyn ..... Manistee
Doyle, Marguerite ..... Cedar Springs
Duffy, Katherine L. ..... Holland
Duguid, Edith ..... Ray, Ind.
Dunkel, Mildred ..... Ovid
Dutt, Hazel ..... Belding
Duvall, Blanche ..... Norway
Eddy, Eva ..... Belding
Edwards, Frances C. ..... Richmond
Enright, Helen Catherine ..... Grand Rapids
Erwin, Edna ..... Novi
Evans, Lydia L. ..... Richmond
Farrington, Julia E. ..... Saranac
Faunce, Lulu Fern ..... St. Louis
Faxon, Orra ..... Lyons
Fisk, Lula ..... Unionville

Fitzgibbon, Ethel C. ..... Wayne
Flanagan, Mary Ellen ..... Grand Rapids
Flynn, Carrie Jane ..... Warren
Foess, Frieda E. ..... Chesaning
Fogarty, Mary Christine ..... White Pigeon
Forbes, Nannie Bell ..... Wellsville, O.
Ford, Clara L. ..... Brooklyn
Forsyth, Anna ..... Standish
Forte, Greta ..... Quincy
Fosdick, Carrie M. ..... Pontiac
Fox, Erma M. ..... Bay City, W. S.
Friday, Louise ..... Lenox
Friedenberger, Florence ..... Port Huron
Fritts, Edna Jane ..... Ypsilanti
Fritz, Pearl Etta ..... Dexter
Furniss, Jennie ..... Detroit
Gabriel, Anna ..... Thackery, O.
Galbreath, Sara G. ..... Decatur
Gallup, May Myrtis ..... Flushing
Garval, Mildred ..... Pontiac
Garvey, Elizabeth ..... Ludington
Geer, Marian D. ..... Benton Harbor
German, Bernice ..... Ypsilanti
Gibbons, Sophie E. ..... Ypsilanti
Granger, Bessie B. ..... Vermontville
Grauland, Agnes ..... Laurium
Gray, Christine Pauline ..... Wyandotte
Grice, Irene ..... Harbor Beach
Gries, Stella ..... Menominee
Grocinger, William ..... Fenton
Grossman, Lydia H. ..... Manchester
Gwinn, Vera M. ..... Pigeon
Haberman, Elsa ..... Holland
Habing, Gertrude ..... Holland
Hamilton, Bessie ..... Decatur
Hamilton, Katherine ..... Cheboygan
Hammel, Ethel ..... Fremont, Ind.
Hand, Erma Marguerite ..... Ypsilanti
Haner, Bessie ..... Sturgis
Hanna, Ida Jean ..... Birmingham
Hanneman, Marie ..... Detroit
Hanson, Florence ..... Jackson

Harbour, Lucetta ..... Crystal Falls
Harden, Mary M. ..... Carson City
Harnett, Helen ..... Hancock
Harper, Louise ..... Pontiac
Harper, Mabel ..... North Branch
Hatter, Clyde Otis ..... Milan
Havlichek, Helen ..... Manistique
Hawkins, Alice M. ..... Reed City
Hawn, Effie ..... Mason
Haynes, Mamie E. ..... Grand Rapids
Hazlett, Linnie ..... Madison O.
Hearn, Etta Elizabeth ..... Benzonia
Hearn, Lulu M. ..... Flint
Helm, Agnes V. ..... Pewamo
Henderson, Edna L. ..... Lyons
Henry, Ethelyn G. ..... Detroit
Herman, Eliza J. ..... Auburn
Herndon, Kate M. ..... Three Rivers
Herrick, Myrtle Leonora ..... Flint
Heughens, Beatrice ..... Lake Linden
Hickman, Lee D. ..... Three Oaks
Hilden, Susan ..... Laurium
Hilderbrant, Edith L. ..... Utica
Hinckey, Pacia ..... Pinckney
Holmes, Iva ..... Ypsilanti
Hoolihan, Mabel ..... Toledo, O.
Hopkins, Catherine ..... Lansing
Hover, John Milton ..... Harrod, O.
Huff, Cora ..... East Tawas
Hughes, Hazel E. ..... Delton
Hunt, Anna L. ..... Oxford
Hunt, Suzanna E. ..... Saranac
Hurford, Maud ..... Batavia
Huyck, Edna ..... Butternut
Jacokes, L. Pearl ..... Middleville
Jamison, Margaret Grace ..... Fairgrove
Jehle, Louise ..... Detroit
Jenkin, Grace ..... Lake Linden
Jewell, Josephine ..... Rives Junction
Johnson, Clarence ..... Tekonsha
Johnson, Nellie ..... Nunica
Johnson, Olga ..... Nunica

Jolly, Loren F. ..... Crosswell
Jones, Edna ..... Maple Rapids
Jones, Winifred M. ..... Dorr
Joseph, Fern ..... Grand Rapids
Jossman, Caroline ..... Clarkston
Jungnitsch, Matie C. ..... Otsego
Kahoe, Nellie May ..... Ann Arbor
Karn, Hattie ..... Yale
Kelley, Alice O. ..... Erie
Kelley, Clara ..... Cadillac
Kelley, Florence E. ..... Coldwater
Kellogg, Marian ..... Nashville
Kelsey, Vena S. ..... Saline
Kemp, Edna Carol ..... Ypsilanti
Kenney, Helen Katherine ..... Evart
Keskey, Mary F. ..... Hubbell
Kettenbeil, Mabel ..... Lake Linden
Kimes, Merton G. ..... Grabill, Ind.
King, Nona C. ..... Ypsilanti
Kinsey, Olive A. ..... Dowagiac
Kirk, Elizabeth M. ..... Fairgrove
Kirkham, Vera L. ..... Vernon,
Kittredge, Odo ..... Lapeer
Klagstadt, Agnes ..... Manistique
Knapp, Lela J. ..... Blissfield
Knight, Fannie ..... Laingsburg
Knights, Ethel Louise ..... Decatur
Knoll, Millie ..... Ludington
Knowles, Angela ..... Azalia
Koegler, Anna ..... Onekama
Kowalski, Mary ..... Calumet
Kress, Nellie ..... Jackson
Kutsche, Mary C. ..... Mt. Clemens
Kyle, Lola ..... Pontiac
Lacey, Minty ..... Hart
Lafiin, Carrie ..... Ypsilanti
Lamb, Alice E. ..... Hudson
Lamport, Harold ..... Leslie
Lamphear, Hollis H. ..... Olivet
Lathers, Junia ..... Ypsilanti
Lathers, Margaret ..... Dearborn
Lathers, Maurice C. ..... Ypsilanti

Lathers, Swift ..... Dearborn
Lathrop, Lillian A. ..... Lyons
Lee, Frances H. ..... Buffalo, N. Y.
Lester, Edna ..... Marine City
Lewis, Esther ..... Pentwater
Lewis, Jessie M. ..... Benton Harbor
Lewis, Lola M. ..... Frankfort
Lighterness, Ethel M. ..... Pontiac
Lillie, Myra S. ..... Lowell
Lindquist, Esther ..... Norway
Lindquist, Mae A. ..... Hancock
Lintz, Karl ..... Constantine
Litchfield, Ruth Naomi ..... Dexter
Livingstone, Leah M. ..... River Rouge
Loew, Flossie ..... Burnips Corners
Loomis, Gertrude E. ..... Fennville
Loop, Ina E. ..... Sparta
Lorberg, Elizabeth ..... Detroit
Lorenger, Lenabelle ..... Detroit
Losure, Elsie ..... Martin
Lovejoy, Louise ..... Litchfield
Lowden, Sarah J. ..... Ypsilanti
Lustfield, Cora ..... Crystal Falls
Lynch, Augusta C. ..... Mt. Clemens
Major, Clara ..... Milford
Marshall, Letta M. ..... Ovid
Martin, Hazel H. ..... Hillsdale
Martin, Frederick P. ..... Ann Arbor
Martin, Nellie ..... Grand Rapids
Martine, Mary ..... Vulcan
Mason, Irene V. ..... Muskegon
Maurer, Kathryn ..... New Philadelphia, O.
Medill, Jane Meroy ..... Sault Ste. Marie
Meder, Loyola ..... Owosso
Melchung, Lena ..... Harbor Springs
Melchung, Matilda ..... Harbor Springs
Merrill, Ashley P. ..... Algonac
Merrill, Edith ..... South Haven
Messmore, Maude Emily ..... Utica
Millen, Ara L. ..... Ypsilanti
Miller, Brownie Edith ..... Ypsilanti
Miller, Cora ..... Menominee

Moloney, Margaret .....Sault Ste. Marie
Moloney, Mary .....Sault Ste. Marie
Moore, Martin R. .....Ypsilanti
Morden, Mary .....Macon
Morrice, Alene.....Harbor Springs
Morris, Lena F. .....Mulliken
Morrison, Ray D. .....Crystal Falls
Morton, Ethel .....Hesperia
Mowry, Henrietta .....Wixom
Muffitt, Trevor, S. .....Spring Arbor
Munn, Ruth .....Salem
McCain, Mary E. .....Reading
McCall, Bell Alice .....River Rouge
McClanathan, Elizabeth .....Charlevoix
McDonald, Bessie Irene .....Rushton
McElver, Edna Eunice .....Batavia, N. Y.
McGovern, Josephine .....Flint
McKenzie, Ruby.....Ypsilanti
McKim, Cecil Victoria .....Cass City
McLouth, Edith .....Medina
McMartin, Nellie A. .....Plainwell
McRobert, Alice .....Ypsilanti
Narber, Bernice I. .....Sturgis
Nash, Edna .....Litchfield
Nash, Marion .....Plymouth
Nausel, Alice .....Plainwell
Newell, Nella E. .....Sault Ste. Marie
Newington, Nettie .....Romulus
Newkirk, Fern E. .....Chicago, Ill.
Newlon, Lulu, M. .....Agricultural College
Newton, Anna L. .....Toledo, O.
Newton, Lula M. .....Lawton
Nolan, Nellie .....Mio
O'Neill, Rose V. .....Hubbardston
O'Connor, Katherine .....Lapeer
Osborne, Clara S. .....Owosso
Palmer, Zelda M. .....Detroit
Panek, Adam .....Traverse City
Parmenter, Ruth .....Vernon
Parry, Winifred .....Romulus
Parsons, Margaret .....Ludington
Pascoe, Mary Frances .....Calumet

Passage, Kate O. ..... Plymouth
Patterson, Clara Belle ..... Plymouth
Patterson, Elva M. ..... Byron Center
Pearce, N. Maude ..... Yale
Pepke, Clara E. ..... Detroit
Petrie, Edith G. ..... Petoskey
Pew, Evelyn, ... Grand Rapids
Pew, Reah Evelyn ..... Ypsilanti
Peyton, Mary M. ..... Parkersburg, W. Va.
Phelps, Jessie Lee ..... Willis
Phelps, Pearl ..... Bay City
Phillips, Ethel ..... Courtright, O.
Phillips, M. Edith ..... Armada
Phillips, Sarah E. ..... Armada
Phinney, Hazel ..... Monroe
Poore, Mamie ..... Detroit
Porter, Bessie M. ..... Lapeer
Powers, Emma A. ..... Vermontville
Powers, Mabel L. ..... Harbor Springs
Preston, Maude ..... Eau Claire
Ramage, Floral ..... Tawas City
Randall, Hiram E. ..... Armada
Rauch, Grace ..... Jackson
Read, Bessie M. ..... Rushton
Read, Elsie ..... South Lyon
Read, Gwen Josephine ..... Detroit
Reading, Gertrude ..... Flat Rock
Reagh, Mabel M. ..... Cass City
Reber, Anna C. ..... Fremont
Rector, Lillian ..... Ionia
Reed, Charlotte A. ..... Detroit
Reed, Ethel M. ..... Durand
Reed, Lula Adelaide ..... Ypsilanti
Reimer, Lillie ..... Lenox
Rexford, Blanche ..... Ypsilanti
Ricard, Eathel ..... Ypsilanti
Richards, Jane ..... Benton Harbor
Riker, Grace L. ..... Millington
Riley, F. H. ..... Ypsilanti
Robb, Agnes ..... Oak Grove
Robb, Isabelle ..... Oak Grove
Roberts, L. Evelyn ..... Sturgis

Roberts, Ola ..... Ypsilanti
Robinson, Charlotte Lee ..... Saginaw
Robinson, Helen Estelle ..... Sturgis
Rogers, Belle ..... Dundee
Rogers, Maud C. ..... Clio
Romer, Linda H. ..... Ypsilanti
Ronan, Marie B. ..... Coldwater
Roundtree, Oscar G. ..... Grand Marais
Rouse, Ruby M. ..... Ypsilanti
Runnels, R. O. ..... Eau Claire
Runner, Grace D. ..... Shelby
Runner, Lois A. ..... Shelby
Ryan, Nora ..... Wayne
Rynearson, Bert E. ..... Three Oaks
Rynearson, Will J. ..... Three Oaks
Salisbury, Daniel B. ..... Constantine
Savage, Lucille ..... Detroit
Schenck, Elizabeth ..... Ypsilanti
Schnoor, Zoah L. ..... Marine City
Schoettle, Katherine ..... Dearborn
Schrontz, Pearl ..... Coldwater
Scofield, Cline M. ..... Tecumseh
Scott, Erman O. ..... Ypsilanti
Seeley, Pansy ..... Orion
Seelye, Mabel Clare ..... Bad Axe
Seibert, Essie ..... Iron Mountain
Seibert, Mable ..... Petoskey
Seitz, Elsie ..... Benton Harbor
Sevison, Etta E. ..... Constantine
Sharkey, Ruth A. ..... Marine City
Shaver, Della ..... East Tawas
Shellenberger, Clio Wilma ..... Ypsilanti
Shepherd, Goldie ..... Newberry
Shields, Anna Mary ..... Grand Rapids
Shigley, James F. ..... Hart
Shirts, Lottie E. ..... Shelby
Shoemaker, Ora M. ..... St. Johns
Showerman, Marguerite ..... Ypsilanti
Simmons, Mary A. ..... Marshall
Simons, Carrie ..... Dansville
Simpson, Frances ..... Mishawaka, Ind.
Stallinger, Pearl ..... Romeo

Slating, Clara ..... Lansing
Slocum, Sylvia A. ..... Lansing
Slyfield, Ella ..... Frankfort
Smith, B. Earle ..... Reed City
Smith, Emma P. ..... Hillsdale
Smith, Ethel ..... Toledo, O.
Smith, George A. ..... North Adams
Smith, Kate ..... AuSable
Smythe, Minnie O. ..... Greenville
Snure, Barbara ..... Edwardsburg
Snyder, Franklin D. ..... Jeddo
Spackman, Mae ..... Shelby
Sprague, Ralph M. ..... Douglas
Spraker, Lois ..... Grand Rapids
Spitzer, Flora ..... Grafton, O.
Spofford, Inez M. ..... Turner
Stacey, Bonnie ..... Brooklyn
Stark, Mae P. ..... Manchester
Starks, Vesta ..... Williamston
Steck, Walter J. ..... Three Oaks
Steele, Jessie D. ..... Ionia
Stewart, Anna Laura ..... Algonac
Stewart, Lelah M. ..... Toledo, O.
Stowell, Nellie ..... Coldwater
Sullivan, Liona ..... Mackinac Island
Swartout, Neva R. ..... Battle Creek
Taggett, Ruby ..... Caro
Taylor, Veda Kathryn ..... Marcellus
Thrailkill, Fanny ..... Mt. Vernon, O.
Thomas, M. Norma ..... Metamora
Thompson, Bertha C. ..... Berville
Thomson, Evelyn E. ..... Ypsilanti
Torrey, Bessie Leah ..... Bangor
Tracy, Bessie ..... Petoskey
Tripp, W. J. ..... St. Clair
Tryon, J. Irene ..... Bay City
Turner, Pearl ..... Evart
Tuttle, Awilda ..... Cheboygan
Van Patten, Alice ..... Berrien Springs
Vorce, Minnie Edna ..... Ypsilanti
Walker, Caroline L. ..... Flint
Wall, Marjorie ..... Cadillac

Walters, Roma L. ..... Mackinaw
Walton, Grace M. ..... Conneaut, O.
Wamsley, Jennie R. ..... Cedar Springs
Ward, Genevieve ..... Jackson
Warner, Emma ..... Alto
Warner, Vie O. ..... Frankfort
Waterman, Leone ..... Ypsilanti
Waters, Sarah E. ..... Ypsilanti
Webb, Jennie D. ..... Saline
Webb, Wm. R. ..... Ypsilanti
Weber, Lydia ..... Gaylord
Weiffenbach, Rosetta ..... Bellaire
Welch, Lottie ..... Decatur
Welden, Louise ..... Jonesville
Wells, Phebe Mary ..... Gaylord
Werner, Louise ..... Lake Linden
Wetherby, Ethel M. ..... Bay City
Wheatley, Bernice ..... Manton
White, Anna L. ..... Detroit
White, Roy ..... Central Lake
Whitten, Winifred E. ..... Bridgman
Wightman, Eunice ..... Hastings
Wightman, Samuel ..... Wayne
Wilcox, Emma ..... Leroy
Wilder, Florence ..... Ortonville
Wildt, Pearle ..... Homer
Williams, Ruth ..... Detroit
Wilson, Olive ..... Milford
Winfield, L. Belle ..... Shephardsville
Wing, Cliff ..... Hart
Wiser, Bessie Pearle ..... Oxford
Wisler, Edna ..... Flint
Wolenburgh, Florence ..... Detroit
Wood, Hazel Hale ..... Charlotte
Woods, Bernice B. ..... Ravenna O.
Woods, Evelyn ..... Berlin
Woods, Louise ..... Ravenna, O.
Woods, Margaret Evelyn ..... Berlin
Worden, Vera B. ..... Ypsilanti
Worner, Crystal ..... Grand Rapids
Wright, Grace ..... Howell
Wright, Katherine ..... Traverse City

Wykes, Sadie P. ..... Grand Rapids
Wyman, Carrie ..... Romeo
Wyman, Chas. E. ..... Nunica
Wyman, Inez M. ..... Romeo
Young, Margaret ..... Lansing
Zilk, Lily M. ..... Lenox
Zimmerman, Etta ..... Detroit

FOURTH YEAR STUDENTS

Abell, Edward LaRue ..... Buchanan
Abrams, Etta ..... Brighton
Aldrich, Hugh G. ..... Howell
Allen, Alma ..... Calumet
Alward, Clara A. ..... Camden
Anderson, Ada M. ..... Ishpeming
Angell, Rena ..... Belding
Ash, Nellie M. ..... Three Rivers
Aslett, Eva May ..... Elk Rapids
Asquith, Celia Edna ..... Memphis
Asquith, Mabel Irene ..... Memphis
Atkin, Grace ..... Milford
Babcock, Harold V. ..... Sandusky
Bailey, Mary D. ..... Constantine
Baker, Enola Mary ..... Pontiac
Banberry, Dorothy ..... Lake Linden
Barber, Katherine ..... Leslie
Barlow, Mildred ..... Ypsilanti
Barnes, Effie ..... Onondaga
Barton, Margaret McKenzie ..... Detroit
Baty, Minnie ..... Saline
Beebe, Nina ..... Ovid
Bennetts, Ethel W. ..... Laurium
Benton, Sara ..... Great Falls, Mont.
Bergin, Frances ..... Howell
Bird, Maud E. ..... Standish
Boardwell, Katherine ..... Montague
Bolt, Anje ..... Grand Haven
Bonine, Clara ..... Vandalia
Bonine, Sadie ..... Vandalia
Boone, Alma P. ..... Troy, O.
Bowd, Nellie ..... Lansing
Bowen, Alice ..... Detroit

Bowerman, Lois ..... Lyons
Boyle, Mella ..... Grand Ledge
Briggs, Cora Belle ..... Hillsdale
Britton, Anna E. ..... Newaygo
Britton, Mamie A. ..... Bangor
Brotherton, Laura ..... Grand Rapids
Brown, Alice ..... Ypsilanti
Brown, Cherrie L. ..... Cedar Springs
Brown, Eolah M. ..... Tecumseh
Brown, Verna Idel ..... Belding
Brown, Violet A. ..... Jackson
Bryant, Lora ..... Hastings
Burke, Eva M. ..... Ypsilanti
Burkhart, Claude ..... Chelsea
Burkheiser, Elizabeth ..... Ypsilanti
Burkley, Louise ..... Williamston
Burley, Mildred ..... Huntington
Burridge, Ethel M. ..... Benton Harbor
Burse, Gwendolyn ..... Flint
Bush, Percie ..... Gobleville
Byrne, Susan L. ..... Jackson
Cameron, Jessie H. ..... Coldwater
Cameron, Maud ..... Ypsilanti
Camp, Vera A. ..... Bangor
Campbell, Theresa ..... Sault Ste. Marie
Carman, Eugenia A. ..... Flint
Carson, Lottie Mae ..... Elk Rapids
Carter, William T. ..... Flat Rock
Cassidy, Ellen ..... River Rouge
Cavanaugh, Madge ..... Lake City
Chandler, Luella B. ..... Ann Arbor
Chambers, Florence E. ..... Lansing
Chapin, Ethel M. ..... Eden
Chapman, Hiram H. ..... Ypsilanti
Chapman, Olive ..... Rockford
Chapman, Rolland D. ..... Rockford
Chase, Hazel ..... Elsie
Clark, Hazel Hall ..... Clinton
Clark, Irene O. ..... Ypsilanti
Clark, Mable Edith ..... Ypsilanti
Clement, Nellie ..... Hudson
Coffin, Latham Clarence ..... Addison

Cogswell, Clara ..... Ypsilanti
Colby, Grace M. ..... Armada
Coller, Blanch M. ..... Eaton Rapids
Combs, Addie E. ..... Carson City
Cook, Catherine ..... Iron Mountain
Coon, Alonzo ..... Dearborn
Cory, Edith Marion ..... Sturgis
Cory, Grace Evelyn ..... Sturgis
Cox, Inez ..... Jackson
Crawford, Lua R. ..... Saranac
Cruson, Florence ..... Jackson
Cupples, Bessie ..... Tecumseh
Currey, Bessie G. ..... Bay City
Curtis, Erta ..... Big Rapids
Cutler, James Leslie ..... Reed City
Davis, Mae A. ..... Clinton
Deming, Jean ..... Wayne
Dendel, Bessie ..... Wayne
DeSpelder, Ethel ..... Greenville
Dieterle, Marie A. ..... Saline
Dixon, Walter E. ..... Ypsilanti
Donaldson, Harriet ..... Montrose
Doyle, Persis ..... Delphos, Kas.
Drouin, Alice, ... Detroit
Dunton, Lena E. ..... Napoleon
Easterly, Donna J. ..... Oxford
Edwards, Ruth A. ..... Ypsilanti
Ellis, Lucy ..... Washington
Ells, Zelma E. ..... Saginaw
Ellsworth, Archie A. ..... Ypsilanti
Ellsworth, L. Edna ..... Readmond
Elmer, Marian ..... Devereaux
Engle, Earle J. ..... Tekonsha
Evans, Mary ..... Richmond
Evans, Muriel ..... East Tawas
Ewald, Mamie A. ..... Benton Harbor
Fast, Sidnah M. ..... McLean, Texas
Fisher, Eve ..... Fowlerville
Flint, Allison J. ..... Homer
Flintoff, Theodore W. ..... Sand Lake
Flower, Vevah A. ..... Bellevue
Fournier, C. M. Bertha ..... Fort Wayne, Ind.

Francisco, Inez A. ..... Reed City
Francisco, Orra ..... Reed City
Frye, Elizabeth ..... Burr Oak
Gage, Elinor ..... New Hudson
Garrison, Lela ..... Fremont
Geer, Ethel E. ..... Ypsilanti
Getty, Dollie M. ..... Shelby
Gibbons, Olive Noble ..... Ypsilanti
Gibson, Irma ..... Ludington
Gillette, Gladys ..... Cortland, N. Y.
Gilman, Elmer S ..... Eaton Rapids
Gleeson, Bertha Alice ..... Milford
Goldup, Florence ..... Homer
Gray, Lottie ..... Calumet
Green, Edith M. ..... Pittsford
Grieve, Glenn ..... Coopersville
Griffith, Myrtle A. ..... Saranac
Grigg, Edith ..... Flat Rock
Gross, Hazel ..... Rockford
Grove, Althea ..... Ovid
Hall, Lottie E. ..... Bad Axe
Hall, Winifred ..... Mason
Halladay, Inez, E. ..... Clinton
Halliday, Alice ..... Bellevue
Handy, G. C. ..... Owosso
Hansen, Agnes Cecelia ..... Manistee
Harbourne, Violenta ..... Gaylord
Harper, Eloise C. ..... Ypsilanti
Harrington, Katherine ..... Kearsarge
Harrison, Frank ..... St. Louis
Hartley, Isabel ..... Lansing
Herald, William M. ..... Ypsilanti
Hess, Eloise ..... Dundee
Hickman, Blanche E. ..... Ypsilanti
Higgins, Celia ..... Bellevue
Hill, Harvey Leon ..... Reading
Hindelang, Margaret ..... Ypsilanti
Holland, Lillian M. ..... Grand Ledge
Hollister, Emma ..... Chesaning
Holmes, W. Delos ..... Vernon
Holt, Lucile ..... Bellevue
Hopkins, Norma ..... Lansing

Hovey, Nellie ..... Ypsilanti
Hutson, Bertha Kay ..... Ypsilanti
Hynes, Nat ..... Stockbridge
Jackson, Beulah ..... Ovid
Jennings, Elsa ..... St. Joseph
Jillson, Pearle ..... Ovid
Johnson, Archie ..... Nevada, O.
Jordan, Clara Regina ..... Elkhart, Ind.
Judson, George A. ..... Cannonsburg
Kaden, Mrs. Amelia ..... Boyne
Kennedy, Irene ..... Hancock
Kerwin, Irene Mary ..... Dundas, Ont.
Ketcham, Hazel Mae ..... Grand Rapids
Kettner, Lillian ..... Grand Rapids
Kidwell, Bessie May ..... Allegan
Kline, Hazel ..... Lake Linden
Kreiter, Maud E. ..... Hillsdale
Laing, Lottie ..... Ortonville
Lane, Raymond E. ..... Olivet
Launstein, Pearl ..... Chesaning
Lavey, Laura ..... Pinckney
Layer, Bessie ..... Lowell
LeBlanc, Theresa ..... Wyandotte
Lee, Donna C. ..... Elsie
Leinbach, Florence ..... Centerville
Lockhart, Beatrice ..... Ypsilanti
Loomis, Chester M. ..... Ypsilanti
Lowe, Edward J. ..... Ypsilanti
Lunden, Sadie ..... Lewiston
Lundteigen, Petra ..... Union City
Lustfield, Alma C. ..... Crystal Falls
Lustfield, Charlotta C. ..... Crystal Falls
Luten, Alice J. ..... Grand Rapids
Mapes, Myrtle ..... South Haven
Martin, Rose Frances N. ..... Detroit
Merritt, Elizabeth ..... Romeo
Metcalfe, Emma ..... Custer
Miller, Brice Alfred ..... Flushing
Miller, George B. ..... Tekonsha
Miller, Mary J. ..... Reed City
Mills, Hariett M. ..... Ida
Mitchell, Goldie ..... Charlotte

Monroe, Audie Mae ..... Bangor
Monroe, Inez Marie ..... Detroit
Montague, Etta M. ..... Ovid
Montgomery, Eva L. ..... Ionia
Montgomery, May ..... Hastings
Monks, John Erwin ..... Pinckney
Morbeck, Clara Elizabeth ..... Ingalls
Morrison, Gertrude ..... Holly
Morrison, Mary G. ..... Crystal Falls
Mulder, Ella ..... Spring Lake
Mullenhagen, Louise A. ..... Petoskey
Munson, Luella C. ..... Deerfield
Murphy, Florence ..... Tecumseh
Musselman, W. J. ..... Amadore
McDonald, Alexander ..... Standish
MacDonald, Margaret ..... AuSable
McDonald, Rose ..... Tawas City
MacDonald, Hazel ..... Flint
McDonald, Katherine ..... Tawas City
MacFetridge, Mate ..... Ypsilanti
McGreevy, Genevieve M. ..... Detroit
McGuffin, Sadie Marion ..... Memphis
Nelson, Hilda ..... Calumet
Newell, Mabelle Alma ..... Ypsilanti
Neiman, Hazel ..... River Rouge
Nixon, Rose E. ..... Bellaire
Nott, Nettie M. ..... Pontiac
Oakes, Mary E. ..... St. Clair
O'Brien, Marjorie ..... Grand Rapids
Olds, William Edgar ..... Otisville
Osborne, Hugh T. ..... Lapeer
Owen, Mabel F. ..... Orion
Page, Essie E. ..... New Philadelphia, O.
Palmer, Louisa F. ..... Brooklyn
Paull, Olive M. ..... South Haven
Peacock, Abigail E. ..... Montpelier, O.
Peck, Kate ..... Mt. Clemens
Peck, Pearl Isabel ..... Ada
Pell, Hazel ..... Howell
Pennington, Anna E. ..... Imlay City
Perrin, Elizabeth ..... Grand Rapids
Perrine, Frank J. ..... Rives Junction

Perso, Leone C. ..... Hubbell
Peters, Winifred ..... Pinckney
Phillips, Donna Lucile ..... Ypsilanti
Pierce, Edith ..... Flint
Pinkham, Mary A. ..... Ionia
Poole, Marion Alberta ..... Detroit
Prentice, Helen Mae ..... Pontiac
Preston, Ella ..... Ypsilanti
Preston, Olive ..... Grass Lake
Prine, Edna A. ..... Springport
Pugsley, Mary L. ..... South Charleston, O
Ramsdell, Floy D. ..... Alta
Randall, Charlotte O. ..... Beloit, Wis.
Ratz, Mamie ..... Brighton
Reber, Dorcas ..... Fremont
Reed, Anna G. ..... North East, Pa.
Reid, Emma E. ..... Ann Arbor
Reiser, Florence ..... Cadillac
Richards, Kittie ..... Ithaca
Roberts, W. Alfred ..... Ithaca
Robinson, Nathan J. ..... Lakeside
Rogers, Anna L. ..... Evart
Rood, Mary Rose ..... Grand Rapids
Root, Rosamond ..... Breedsville
Rorison, Irene ..... Evart
Ross, LaVern ..... Ypsilanti
Royston, Anna ..... Freemont
Royston, Maggie ..... Freemont
Rumberger, Millie ..... Ludington
Rumsey, Alice A. ..... Hudson
Ryan, Gertrude ..... Hastings
Sacia, Delia ..... Grand Rapids
Salisbury, Frank Sealy ..... Constantine
Sammons, Florence ..... Leslie
Sanders, Abishai ..... Bronson
Schoenfeld, Viola Anna ..... Detroit
Scott, Edith Lyman ..... Northville
Scutt, Florine ..... Flint
Seibert, Myrtle ..... Iron Mountain
Selkirk, Mabel Jean ..... Reed City
Sellen, Ora ..... Springport
Shaw, Olive ..... Ludington

Shepherd, Ethel ..... Cheboygan
Shepherst, Helen C. ..... Toledo, O.
Sherman, Gertrude ..... Bennington
Shewcraft, Clara B. ..... Detroit
Shore, Myrtle ..... Evart
Simpson, Bertha ..... Fowlerville
Skoglund, Emma ..... Kenton
Smith, Edith V. ..... Union City
Smith, Florence M. ..... Denton
Smith, Gertrude ..... Detroit
Smith, Mary H. ..... Troy O.
Smith, May K. ..... Monroe
Smith, Ruth M. ..... Albion, N. Y.
Snyder, Hazel L. ..... Three Rivers
Southworth, Alice E. ..... Quincy
Spaulding, Judith ..... Bellevue
Spillane, Cassie M. ..... Durand
Spinks, Grace ..... Marine City
Spitzer, Ethel ..... Grafton, O.
Sprague, Mary A. ..... Albion, Ill.
Stacey, Clara M. ..... Pontiac
Staley, Lulu Bertha ..... Ypsilanti
Stapleton, Anna ..... Ovid
Stark, Evelina Manuel, ... Ann Arbor
Steimle, Edward M. ..... Atlantic, Mine
Stellwagen, Clara Louise ..... Wayne
Stewart, Irene M. ..... Detroit
Stewart, Nettie E. ..... Ypsilanti
Strang, Emma ..... Eaton Rapids
Stretch, Tina C. ..... Benton Harbor
Sturman, Genevieve ..... Battle Creek
Sullivan, Floyd H. ..... Williamston
Sullivan, Joan ..... Negaunee
Sullivan Mary ..... Ypsilanti
Summerby, Ethel C. ..... Allenville
Sutherland, Hazelle G. ..... Lansing
Sweeney, Fanny Philemene ..... Alma
Sweet, Nellie ..... Columbiaville
Swyny, Pauline Elizabeth ..... Butte, Mont.
Taggart, Maud ..... Burr Oak
Tait, Annie C. ..... East Tawas
Takken, Bernice M. ..... Holland

TenEyck, H. E. ..... Milan
Terpenning, Elza ..... Brown City
Terwilliger, Lillian ..... Montague
Thomas, Genevieve ..... Ypsilanti
Thompson, Dorothy ..... Grand Rapids
Thorne, Grace Jane ..... Fennville
Tolly, Asa E. ..... Hillsdale
Toothacker, Fannie Foster ..... Ypsilanti
Toothacker, W. S. ..... Martin
Totten, Maud ..... Cedar Springs
Towner, Winifred C. ..... Grand Ledge
Tracy, Anna May ..... Grand Rapids
Travis, Grace ..... Belding
Travis, Nellie ..... St Johns
Trible, Susie B. ..... Ann Arbor
Twitchell, Jennie M. ..... Ann Arbor
Tyler, Helen E. ..... Flint
Updike, Audrey ..... Esther, Mo.
Upham, Edward ..... Flat Rock
VanEenenaan, Alice ..... Zeeland
VanHouten, Kitty C. ..... Portland
Verrier, Rachel ..... Rockland
Wainright, Eva ..... Ypsilanti
Waite, Roy ..... Dexter
Walker, Lillian ..... Sault Ste. Marie
Wall, Florence B. ..... Salem
Walling, Winnie L. ..... Ypsilanti
Walsh, J. B. ..... Cedar Springs
Ward, Geta M. ..... Ypsilanti
Ward, Lina J. ..... Saginaw, W. S.
Warner, M. Melissa ..... Dowling
Weaver, Starlie ..... Manchester
Weber, Lorne W. ..... Elkton
Welch, Imogene ..... Decatur
Welden, Carrie ..... St. Ignace
Weller, Bertha A. ..... Rockford
West, Clarence J. ..... Franklin
Westcott, Leo Enos ..... Hartford
Weston, Lynn ..... Marlette
White, Elizabeth Pearl ..... Ypsilanti
White, Fern ..... Ypsilanti
White, Marian F. ..... Ypsilanti

Whitney, Grace ..... Lapeer
Wilhelm, Lillian ..... Traverse City
Wilhelm, Mabel ..... Traverse City
Williams, Harold C. ..... Adrian
Wilson Dwight ..... Ypsilanti
Wilson, Mary M. ..... Detroit
Wilson, Winnifred ..... Tecumseh
Wilton, Anna ..... Flint
Wimple, Arizona ..... Owosso
Wirth, Clista D. ..... Ypsilanti
Withenbury, R. L. ..... Shelby
Wolford, Bertha ..... Ypsilanti
Wood, Bessie ..... Charlotte
Woodworth, Helen ..... Ovid
Yorton, Melvia Florence ..... Ann Arbor
Youngs, Clara ..... Jackson
Youngs, Lynn J. ..... Burnside
Zimmerman, Mabel ..... Owosso

DEGREE STUDENTS

Banghart, Carroll F. ..... Mayville
Berry, Lillian A. ..... Detroit
Brown, Guy C. ..... Clarkston
Brown, Leroy N. ..... Clarkston
Clem, Emerson S. ..... St. Paris, O.
Cooley, Herbert C. ..... Ypsilanti
Cummings, Edna D. ..... Ypsilanti
Eddy, Celestia Ellen ..... Ypsilanti
Fish, Zayda B. ..... Sycamore, Ill.
Hagenbuch, Rosa ..... Three Rivers
Hale, Della E. ..... Springfield
Howard, Frank Eugene ..... Ionia
Kimes, Franklin M. ..... Leo, Ind.
King, S. Edith ..... Lansing
Kircher, Irving, Henry ..... Webster, N. Y.
Lockwood, Margaret M. ..... Pittsford
Matteson, Jennie L. ..... Dexter
MacKay, Jean Armour ..... Ypsilanti
Platt, Lida M. ..... Laingsburg
Pittinger, Benjamin F. ..... Ypsilanti
Steimle, Clemens P. ..... Atlantic Mine
Trathen, Sidney P. ..... Houghton

Walcott, Albert ..... Shelby
Walling, W. Levern ..... Ypsilanti
Wigle, Mary E. ..... Webberville
Wood, V. Brooks ..... Bangor

POST GRADUATES

Andrews, Elsie V. ..... Ypsilanti
German, Carrie B. ..... Ypsilanti
Mallison, Julia G. ..... Hesperia
Simons, Annie ..... Ypsilanti
Stewart, Earl A. ..... Elba
Wallin, Alice R. ..... Northville
Zach, Mabel S. ..... Ypsilanti

SPECIAL STUDENTS

Aldrich, Nellie ..... Oak Grove
Beach, Bessie ..... Denton
Bostater, Gertrude .....
Chase, Maria S. ..... Mt. Vernon, O.
DaRatt, Gracia ..... Ypsilanti
Darling, Isabel ..... New London, O.
Gearhart, Verne ..... Williamston
Harger, Nettie Mae ..... Metamora O.
Oliff, Edith ..... Clio
Park, Helen M. ..... Mio
White, Ida M. ..... Ypsilanti
Yeckley, Frances ..... Ypsilanti

CONSERVATORY STUDENTS

Abbott, Bessie L.	Music and Drawing	Fowlerville,
Abbott, Blanche	Piano	Ann Arbor
Abrams, Jessie M.	Public School Music	Brighton
Adams, Jean	Vocal	Sterling
Alexander, Bessie	Vocal	Ypsilanti
Allen, Fay	Vocal	Ypsilanti
Allen, Mary	Piano	Ypsilanti
Allen, Ruth	Piano	Ypsilanti
Ayres, Orpha	Piano	Dearborn
Bailey, Mary Donna	Vocal	Constantine
Baker, Harry	Vocal	Ypsilanti
Baker, Vida	Vocal	Elkhart, Ind.

Barber, Katherine	Vocal	Leslie
Barbour, Mabel	Piano	Ypsilanti
Barnard, Mrs. S. B. M.	Music and Drawing	Mt. Pleasant
Barton, Grace E.	Piano	Pinckney
Barton, Meriam	Piano	Ypsilanti
Barton, Nellie	Music and Drawing	Cadillac
Baushke, Ruth J.	Piano	Ann Arbor
Beach, Alice	Piano	Ypsilanti
Bechtel, Ethel K.	Music and Drawing	Manton
Becker, George A.	Vocal	Bridgewater
Bergin, Carrie M.	Piano	Ypsilanti
Bernhard, Mabel	Vocal	Barnesville, O.
Bissell, Maude	Vocal	Ann Arbor
Bixler, Verna	Vocal	Mt. Gilead, O.
Blood, Fauna	Music and Drawing	Marine City
Boettger, Lydia	Piano	Saline
Boomer, Lydia	Piano	Manchester
Bovee, Helen	Music and Drawing	Ypsilanti
Boylan, Burr L.	Vocal	Mason
Bradley, Alice E.	Piano	Tecumseh
Braisted, Lou	Music and Drawing	Ypsilanti
Briggs, Florence	Music and Drawing	Grand Rapids
Britton, Mamie A.	Vocal	Paw Paw
Brooks, Mabel	Piano	Ypsilanti
Brown, Genevieve	Piano	Ypsilanti
Brown, Hazel	Piano	Ypsilanti
Burton, Mrs. F. C.	Vocal	Ypsilanti
Caldwell, Spray Vera	Vocal	Constantine
Carpenter, Fanny	Vocal	Ypsilanti
Carrick, C. H.	Vocal	Charlotte
Carven, Bessie E.	Piano	Saline
Case, Carolyn	Piano	Ypsilanti
Case, L. Lucretia	Piano	Ypsilanti
Chapman, Ethel Jane	Music and Drawing	Walled Lake
Chapman, Helen	Piano	Bangor
Charnley, Lila	Piano	Lake View
Ching, Fieda	Vocal	Hart
Christian, Lelia	Vocal	Chesaning
Coggeshall, Mina	Music and Drawing	Milwaukee, Wis.
Colby, Charles C.	Vocal	Armada
Cordary, Mary	Music and Drawing	Ypsilanti
Cough, Mabel	Piano	Camden

Curtiss, William	Vocal	Detroit
Cork, Frances	Music and Drawing	Melvin
Crafts, Winifred	Music and Drawing	Grass Lake
Crane, Florence A.	Music and Drawing	Hillsdale
Crawford, Mrs. S. E.	Vocal	Ypsilanti
Daley, Fred	Vocal	Ann Arbor
Dangers, Louise	Music and Drawing	Neillsville, Wis.
Daughaday, Grace	Vocal	Wellsville, O.
Davis, Maud C.	Vocal	Ypsilanti
Davis, M. Bertha	Vocal	Harrison Valley, Pa.
Decker, Ola	Piano	Bangor
DeGarmo, Irene	Piano	Highland
DePew, Inez L.	Piano	Ypsilanti
de Speldc, Bertha	Vocal	Greenville
Deubel, Dee	Piano	Ypsilanti
Dickerson, Alice	Public School Music	Hastings
Dixon, Mrs. Mary	Vocal	Ypsilanti
Doyle, Edna Gertrude	Music and Drawing	Detroit
Dunlap, Agnes	Piano	Ypsilanti
Ellsworth George	Vocal	Ypsilanti
Emmens, Ruth	Piano	Ypsilanti
Engle, Earle J.	Vocal	Tekonsha
Erwin, Christine L.	Music and Phys. T,g.	Ypsilanti
Everest, Edith	Music and Drawing	Ann Arbor
Farrington, Lucy	Vocal	Ypsilanti
Felton, Florence	Vocal	Dorr
Finch, Erva	Piano	Tecumseh
Fisher, Alice	Piano	Wayne
Flint, Mrs. Jennie	Piano	Homer
Fox, Ethel	Piano	Ionia
Francisco, Mrs. Helen	Piano	Ypsilanti
Franks, Eva	Music and Phys. T.g.	Bellevue, O.
Frazelle, Cora	Music and Drawing	Mason
Fritz, Lucy A.	Piano	Ypsilanti
Fulton, Minnie	Piano	Ypsilanti
Gass, Mabel	Organ and Pub. S. M.	Ypsilanti
Geer, Ethel	Violin	Swanton, O.
Gill, Kathleen	Piano	Ypsilanti
Gill, Orlo	Piano	Ypsilanti
Gilpin, Vivian	Vocal and Pub. S. M.	Ypsilanti
Gleim, Elizabeth	Music and Drawing	Chester, Pa.
Gorton, Lyle E.	Piano and Organ	Gregory

Gorton, Wendell	Piano	Ypsilanti
Graves, John M.	Vocal	Ypsilanti
Gray, Mrs. Annis	Vocal	Ypsilanti
Hall, Bertha Louise	Music and Drawing	Mason
Hall, Eloise	Piano	Grand Ledge
Harper, Beulah	Vocal	North Branch
Harper, Mabel	Piano	North Branch
Harryman, Lillian E.	Music and Drawing	Flat Rock
Haven, Flora	Piano	Clio
Hawkins, Alice	Organ	Reed City
Haynes, Grace	Music and Drawing	Vermontville
Hearn, Cora M.	Music and Drawing	Benzonia
Hearn, Etta	Vocal	Benzonia
Helm, Agnes	Piano	Pewamo
Henne, Edward F.	Vocal	Saline
Hill, Mattie B.	Vocal	Plainwell
Hinkle, Florence	Music and Drawing	Hillsdale
Hobart, Lynn	Vocal	Detroit
Hodge, Claire	Vocal	Galconda, Ill.
Holdridge, Beulah	Public School Music	Milford
Holmes, Burwell F.	Organ	Durand
Holmes, D. Earle	Piano and Organ	Ypsilanti
Hosley, Edna	Piano	Oak Grove
Howe, Leone	Piano	Ypsilanti
Hyder, Lythen	Piano	Detroit
Jackson, Adella	Vocal	Ypsilanti
James, Myrtle	Music and Drawing	Caro
Jones, Edith	Vocal and Piano	Ypsilanti
Jones, Winnifred	Vocal	Dorr
Jorden, Amanda	Vocal	Redridge
Kellogg, Marian	Piano	Nashville
Kelley, Florence	Vocal	Coldwater
Kettenbeil, Mabel	Piano	Lake Linden
Kimball, Beth	Vocal	Ann Arbor
Kimball, Mrs. C. L.	Vocal	Clinton
Kimes, Mrs. Adrien	Music and Drawing	Grabill, Ind.
Kirchhofer, Hugo	Vocal	Manchester
Knowles, Mrs. Lulu	Vocal	Jasper
Lambie, Leah L.	Piano	Ypsilanti
Laraway, Lou Gertrude	Piano	Plymouth
Learn, Lottie	Vocal and Piano	Marlette
Lee, Frances	Vocal	Buffalo

Leeder, Joseph	Vocal	Oxford
LeSage, Jessie	Vocal	Lake Linden
Lewis, Cecil	Piano	Mt. Clemens
Light, Clara Louise	Public School Music	Laurium
Loomis, Mrs. C. M.	Vocal	Ypsilanti
Lott, Florence	Piano	Ypsilanti
Lyon, Mrs. Amy	Organ	Ypsilanti
Macaulay, Katherine	Music and Drawing	Armada
Merrill, Edna	Piano	Millington
Merriman, Edythe	Music and Drawing	Reading
Miller, Edna Louise	Vocal	Chicago, Ill.
Minard, Maria S.	Music and Drawing	Ypsilanti
Moore, Bertha	Piano	Troy, O.
Moore, Lulu	Piano	Quincy
Moorman, Lucille	Vocal	Ypsilanti
Mosher, Katherine	Vocal and Pub. S. M.	Marquette
Munger, Jennie	Vocal	Coldwater
Murphy, Aurelia	Music and Drawing	L'Anse
McAdow, Helen	Music and Drawing	Ottawa, O.
McCain, Mary	Piano	Reading
McCallum, Mabel	Piano	Oak Grove
McClaughry, Isca	Piano	Ypsilanti
McCullough, Roy	Vocal	Ypsilanti
McCurdy, Ethel	Organ	Ypsilanti
McDougall, Oscar	Violin	Ypsilanti
McDowell, Flora	Vocal	Cleveland, O.
Nicolson, Ethel	Vocal	Mariette
Nowack, Louise L.	Music and Drawing	Norway
Nowlin, Nina	Music and Drawing	Ypsilanti
Oltman, Harriett B.	Vocal	Grand Rapids
Osborne, Gurdon	Violin	Warren
Ottinger, Elizabeth	Vocal	Mansfield, O.
Pague, Natalie Andrews	Piano	Chicago, Ill.
Palmer, Elizabeth	Vocal	Manistee
Parker, Fern A.	Music and Drawing	Eaton Rapids
Pease, Helen	Vocal and Piano	Ypsilanti
Phelp, Janie	Vocal	Caro
Phillips, Ruby	Music and Drawing	Ypsilanti
Porter, Bessie	Piano	Lapeer
Pratt, Georgie	Public School Music	Albion
Proctor, Eva	Vocal	Ypsilanti
Purdy, Mrs. Maud	Piano	Gagetown

Purdy, Retta	Vocal	Caro
Quirk, Mrs. D. L., Jr.	Vocal	Ypsilanti
Randall, Wanda	Piano	Wayne
Richardson, Julia M.	Music and Drawing	Hudsonville
Richardson, Laura S.	Music and Drawing	Greenville
Richardson, Lida F.	Vocal	Northville
Roberts, Olga Agnes	Piano	Ypsilanti
Roderick, Minnie	Vocal	Ypsilanti
Ronan, Marie	Vocal	Coldwater
Ross, Lucille	Vocal	Ypsilanti
Rouston, Anna	Piano	Macomb
Rubert, Cassie	Vocal	Dansville
Ryan, Eleanor M.	Piano	Ann Arbor
Sanford, Beryl	Vocal	Ypsilanti
Sargent, Carl M.	Piano	Ypsilanti
Schenck Edith	Violin	Ypsilanti
Schenck, Elizabeth	Vocal	Ypsilanti
Schlenker, Bessie	Vocal	Jackson
Scott, Wanda J.	Music and Drawing	Ypsilanti
Seeger, Adelaide	Piano	Ypsilanti
Seeley, Pansy F.	Music and Drawing	Orion
Seibert, Mabel	Vocal	Petoskey
Seibert, Myrtle J.	Piano	Petoskey
Seitz, Elsie	Piano	Benton Harbor
Seligman, Jane	Vocal	Kalamazoo
Sharpe, Geneva	Violin	Flint
Shattuck, Bertha	Music and Drawing	Plymouth
Sherwood, Arthur	Vocal	Ypsilanti
Shields, Luvella	Vocal	Marlette
Shore, Minnie Louise	Music and Drawing	Evart
Showers, Frank L.	Vocal and Pub. S. M.	Ypsilanti
Slater, Albert M.	Vocal	Pontiac
Slater, Maebel	Music and Drawing	Frankfort
Smith, Sarah L.	Public School Music	Albion, N. Y.
Sollinger, Hazel	Piano	Ypsilanti
Sorenson, Bertha	Vocal	Lake View
Steagall, J. R.	Vocal	Golconda, Ill.
Stearns, Ruth A.	Music and Drawing	Des Moines, Ia.
Stoffer, Nellie	Music and Drawing	Ypsilanti
Sudworth, Gertrude M.	Public School Music	Ann Arbor
Surbrook, Edna	Piano	Ypsilanti
Taylor, Martha D.	Vocal	Ann Arbor

Thomas, Genevieve	Vocal	Oxford
Thomas, Hope	Music and Drawing	Portland
Thompson, Alma C.	Music and Phys. T,g.	New Carlisle, O.
Thorn, Veva L.	Piano and Organ	Ypsilanti
Tolly, Asa	Piano	Hillsdale
Tompsett, Ethel	Music and Drawing	Sparta
Trabilcox, Letha A.	Piano	Ypsilanti
Trathen, Sidney P.	Vocal	Houghton
Tribbey, Mabel	Piano	Lake View
Trumbull, Minnie	Piano	Hastings
Turner, Inez M.	Music and Drawing	Armada
Tuttle, Clara	Public School Music	Lapeer
Walker, M. Ethelyn	Vocal	Almont
Wall, Marjorie	Piano	Cadillac
Walton, Grace M.	Vocal	Conneaut, O.
Warren, Jane E.	Music and Drawing	Tekonsha
Waterman, Leone	Piano	Ypsilanti
Webb, Muriel	Music and Drawing	Ypsilanti
Weber, Lydia	Piano	Gaylord
Wheeler, Jessie	Vocal	Union City
Whittelsey, Helen	Piano	Battle Creek
Whitten, Winnifred	Vocal	Bridgman
Widoe, Iva	Vocal and Piano	Hart
Wightman, Clara	Vocal	Ypsilanti
Wilson, Florence	Piano	Ypsilanti
Winans, Elmer E.	Vocal	Chelsea
Woessner, Bessie	Piano	Ann Arbor
Wood, May E.	Organ and Vocal	Stanley, N. Y.
Wood, William Pratt	Organ	Ypsilanti
Woodward, Mae	Piano	Milan
Woolsey, Lulu	Piano	Ypsilanti
Woolsey, Olive	Piano	Ypsilanti
Wright, Agnes	Vocal and M. and D.	Port Huron

CONSERVATORY POST GRADUATES

Benedict, Pearl	Vocal	Ypsilanti
Cook, Milton	Vocal and Piano	Ypsilanti
Deubel, DeLynn	Vocal	Ypsilanti
Gareissen, Isabella	Vocal	Ypsilanti
Lawrence, Mrs. M. Oliff	Vocal	Ypsilanti
Mereness, Mattie E.	Music and Drawing	Ypsilarti
Wood, Mary	Vocal	Ypsilanti

STUDENTS ENROLLED IN SUMMER SCHOOL. 1906

Abbott, M. Anna ..... Ovid
Abbott, Mrs. Elizabeth McB. ..... Grosse Isle
Ableson, Margaret ..... Ypsilanti
Abrams, Etta ..... Brighton
Ackerly, Florence M. ..... Jonesville
Ackerson, Lillian ..... Munith
Adair, Anna O. ..... Cass City
Adams, Henrietta E ..... Caseville
Adams, Carrie ..... Temperance
Adams, Hattie ..... Temperance
Adams, Jeannie ..... Sterling
Adams, Lena M. ..... Posen
Adams, Lucile ..... Wabash, Ind.
Agnew, Floyd ..... Morenci
Alford, Elizabeth ..... Berlin
Alford, Georganna ..... Berlin
Allard, C. Maud ..... Caro
Allen, Charles William ..... Clinton
Allen, Hazel Ivah ..... Grand Ledge
Allen, Jessie M. B. ..... Frankfort
Allen, Maud Virginia ..... Grand Ledge
Almendinger, Fern L. ..... Benton Harbor
Alperman, Johanna ..... Wapokoneta
Alvord, Ethel May ..... Grant
Ammon, Mrs. Nora ..... Detroit
Amos, Lulu ..... Henderson
Anderson, Lily M. ..... Sand Creek
Anderson, Mary Louise ..... Plymouth
Anderson, Theresa Sylva ..... Moline
Andrews, Emily ..... Rockford, Ill.
Andrews, Stella ..... St. Johns
Angell, Mrs. Margaret C. ..... Oxford, O.
Archibald, Pearl ..... Caro
Armbruster, Mary ..... Monroe
Arnold, Mae ..... Reed City
Arnot, Cora E. ..... Mt. Clemens
Arnot, Mary L. ..... Croswell
Asam, Clara M. ..... Carleton
Aspin, Alice C. ..... Auburn
Atkin, Grace ..... Milford
Atwater, Edith A. ..... Conneaut, O.

Aumert, Louise ..... Grand Rapids
Averill, Helen M. ..... Ravenna
Averill, Marian L. ..... Fremont
Axel, Lillian ..... Kendallville, Ind.
Ayers, Orpha M. ..... Dearborn
Babbitt, Florence E. ..... Freeport
Babbitt, Mary A. ..... Spring Lake
Babcock, Harold V. ..... Sandusky
Babcock, Myrtle M. ..... Britton
Bachelder, Bess R. ..... Petoskey
Bacheler, Hazel ..... Fenton
Bachmeier, Augusta ..... Warren
Bagge, Minnie ..... Chelsea
Bailey, Frances May ..... Munith
Bailey, Ida ..... Mayville
Baker, Susan E. ..... Grand Blanc
Baker, Winifred ..... Petoskey
Baldwin, Alice G. ..... Wilmington, Del.
Baldwin, Edna ..... Monroe
Baldwin, Rena ..... Ashtabula, O.
Ball, Etta ..... Flint
Balyeat, Sue ..... Van Wert, O.
Balyeat, Wilma ..... Middlebury, Ind.
Bammel, Romelda G. ..... Bay City
Banbery, Dorthy ..... Lake Linden
Banghart, Carroll F. ..... Mayville
Bannen, Robert A. ..... Langston
Bantum, James Edgar ..... Baltimore, Md.
Barmby, Eleanor ..... Ypsilanti
Barnard, Elsie ..... Fowlerville
Barnes, May L. ..... East Chicago, Ill.
Barnum, Mary E. ..... Coldwater
Barry, Flossie M. ..... Bellevue
Bartch, Ruth ..... Chelsea
Bartlett, Lena E. ..... Ann Arbor
Bartlett, Clara ..... Bedford, O.
Bartron, Ruth Irene ..... Newaygo
Bassett, Emma ..... Swanton, O.
Bassett, Kate ..... Birmingham
Bates, Eva A. ..... Detroit
Bates, L. W. ..... Wauseon, O.
Bates, Vera A. ..... Caro

Bath, W. H. ..... Monroeville, O.
Baty, Minnie ..... Saline
Bauer, Mrs. M. Marie ..... Britton
Baumgarten, Lillian ..... Warren
Baumgarten, Charlotte ..... Warren
Baxter, Elizabeth ..... Ypsilanti
Beal, Vinora ..... Tounlwy
Beals, Aimee H. ..... Paw Paw
Beam, Elias H. ..... Shelby
Beaumont, Ruth E. ..... Clyde
Bebeau, Irene ..... Rockland
Bechtel, Ethel Katherine ..... Manton
Becker, Albert ..... Bridgewater
Becker, George A. ..... Manchester
Becker, Lulu M. ..... Pontiac
Becker, Mary Alma ..... Dexter
Beckley, Robert J. ..... Saginaw
Beeby, Adeline ..... Sparta
Beeman, Bessie A. ..... Reed City
Beeman, Benj. F. ..... Williamston
Bentley, Nina ..... Monroe
Beebe, Eula Lee ..... Jackson
Beever, Edna ..... Oscoda
Behrens, Ethel W. ..... Muskegon
Belford, Flora ..... Grand Blanc
Bellenir, Besse ..... Jasper
Belisle, John Hyacinth ..... Detroit
Biery, Harriet ..... Camden
Biggins, Kristena ..... Swanton, O.
Binns, Florence A. ..... Van Wert, O.
Bixler, Abbie ..... Mount Gilead, O.
Bixler, Verna F. ..... Mount Gilead, O.
Black, Lenna ..... Henderson
Blackney, Mabel ..... Clio
Blakeslee, Inez ..... Orchard Lake
Blandford, Daisie ..... Grand Rapids
Boardman, Mattie A. ..... Perry
Bodine, Anna ..... Clio
Bogan, Mary E. ..... Brighton
Bollman, Frances Lillian ..... Gas City, Ind.
Book, Dorothy ..... Greenfield, O.
Borger, Lena ..... Hobart, Ind.

Borner, Lulu ..... Parma
Bostwick, Estella ..... Decatur
Bosworth, Alta M. ..... Sunfield
Bolthouse, Maggie C. ..... Ferrysburg
Boudinet, Edith Mae ..... Stiener
Boughner, Floy B. ..... Bowling Green, O.
Bovee, Helen ..... Ypsilanti
Bowen, Dwight Carroll ..... Palmyra
Bowerman, Greeta Anna ..... Caseville
Bowers, Iva ..... Lima, O.
Bowers, Maude F. ..... Paulding, O.
Bowman, Stella Idella ..... Monroe
Boyd, Fannie ..... Painsville
Boyd, Mabel ..... Wellsville, O.
Boyer, Lura ..... Dayton, O.
Boyle, Frank J. ..... Salem
Bradford, Ethel E. ..... Jackson
Bradley, Mary W. ..... Ann Arbor
Brainerd, Effie Leora ..... Vassar
Braisted, Lou ..... Ypsilanti
Braley, W. N. ..... Ypsilanti
Brannick, Anna ..... Jackson
Braun, Clara Regina ..... Ypsilanti
Braun, Minnie E. ..... Ypsilanti
Breitenwisher, Emma ..... Manchester
Brems, Minna Barbara ..... Plymouth
Brewer, Bessie M. ..... Leonard
Brian, Leola ..... Hartland
Brock, R. W. ..... Muskegon
Brock, Roby ..... Whitehall
Broderick, Kate ..... Grosse Pointe Farms
Broesamle, Anna ..... Ypsilanti
Brogan, Catherine ..... Howell
Brogan, Frances Eleanor ..... Howell
Brott, Mary Eugenia ..... Ypsilanti
Browder, Lillian ..... Greenfield, O.
Brown, Alice ..... Ypsilanti
Brown, Allene ..... Hart
Brown, Amy J. ..... Columbus, Ind.
Brown, Blanche M. ..... Hart
Brown, Genevieve ..... Ypsilanti
Brown, Lora N. ..... Battle Creek

Brown, Mabel E. ..... Yale
Brown, Margaret ..... Pontiac
Brown, Maud ..... Van Wert, O.
Brown, Nellie C. ..... Hart
Brown, R. D. ..... Omer
Brown, Violet ..... Jackson
Boyd, Carlie ..... Painsville, O.
Bruehlman, Anna ..... Archbold, O.
Brugger, C. Alice ..... Bellevue, O.
Bryan, Fred C. ..... Mt. Morris
Buchanan Anna Mae ..... Montague
Buchanan, Johanna ..... Montague
Buchanan, Mattie ..... Rochester
Buck, Lucy M. ..... Three Rivers
Buckles, Ida ..... Piqua, O.
Bullinger, Amelia ..... Rockwood
Bullis, Helen Pearl ..... Maple Rapids
Bunting, Adells ..... Harbor Beach
Burgess, Mae ..... St. Louis
Burkley, Louise ..... Williamston
Burley, Mildred ..... Huntington
Burr, Harry B. .....
Burns, Elizabeth ..... Berlin
Burns, Florence M. ..... Hillsboro, O.
Burns, Grace C. ..... Orchard Lake
Burns, Jennie ..... Quincy
Burt, Floy ..... Laingsburg
Bussing, Blanch ..... Coldwater
Butcher, Bessie ..... Flint
Butts, Lizzie M. ..... Rochester
Butler, Martha A. ..... Detroit
Buvan, Adelaide ..... Detroit
Byrum, Warren D. ..... Leslie
Byrd, Lilian M. ..... Philadelphia, Pa.
Cady, Reba ..... Cleveland, O.
Cahoms, Gertrude ..... St. Clair
Caldwell, Mattie ..... Hawks
Caldwell, Mildred ..... Biggs
Caldwell, Polly ..... Constantine
Calkins, Lulu ..... Fowlerville
Callaghan, Marion M. ..... Greenville
Callaghan, Veronica A. ..... Fenton

Camburn, Marguerite L. ..... Marvin
Campbell, Celia .....Troy, O.
Campbell, Emma ..... Lamb
Campbell, Netttie A. .....Parma
Campbell, Theresa .....Sault Ste. Marie
Capler, George J. .....Sand Hill
Capler, Margaret .....Sand Hill
Carling, Marie .....Grand Rapids
Carn, Irene .....Ann Arbor
Carpenter, Arthur F. .....Springport
Carpenter, Fannie E. .....Ypsilanti
Carpenter, Grace .....Rollo, Mo.
Carr, Anna M. .....Saginaw
Carrick, C. H. ..... Charlotte
Carriveaux, Hettie ..... Reading
Carson, Lucy H. .....Owosso
Carter, Florence .....Milford
Cary, Etta Priscilla .....Deerfield
Cassidy, Mary .....River Rouge
Caswell, J. T. .....Blissfield
Caulfield, Arthur John .....Tyrrell, O.
Cavanaugh, Clara .....Dayton, O.
Cawood, John .....Marlette
Chapin, Alice C. .....Eden
Chapman, Elsie E. .....Lima, O.
Chauncey, F. May .....Bridgman
Cherry, Nettie C. .....Grand Haven
Childs, Emma .....Ypsilanti
Ching, Fleda .....Hart
Christy, Samantha Amelia .....Wilmington, Del.
Clark, Elizabeth .....Lapeer
Clark, Ella Maybelle ..... Saline
Clark, Genevieve .....Belleville
Clark, Mabel Edith .....Ypsilanti
Clark, Nell .....Ypsilanti
Clark, Nettie .....Detroit
Clark, William .....Rives Junction
Clifford, Rosalie O. .....Barberton, O.
Clink, Ray I. .....East Jordon
Clinton, Teresa C. .....Sand Hill
Clippinger, Mrs. Nellie L. .....Hartman
Clooman, Cecelia L. ..... Pontiac

Clouse, George A. .....Burnips Corners
Coddington, Alice B. .....Colon
Cogswell, Mrs. Clara .....
Colby, Charles .....Armada
Coleman, Anna .....Manchester
Coleman, Erma Mabel ..... Howell
Colgan, Eugene .....Dowagiac
Collins, Elfa ..... Saline
Collins, Minnie .....Mt. Clemens
Colopy, Alice .....Coshocton, O.
Connell, Henry Michael .....Detroit
Conley, Katherine ..... Hubbell
Converse, Frances .....Fowlerville
Conway, William ..... Ypsilanti
Cook, Lucinda .....Baltimore, Md.
Cooley, Mrs. Maude ..... Ypsilanti
Cooper, Mae ..... Ida
Corbin, Florence A. .....Ashtabula, O.
Corcoran, Teresa M. .....Dayton, O.
Cordary, Mary ....Ypsilanti
Cornish, Arvilla .....Durand
Corser, Ada M. .....Hudson
Corwin, Alice .....Ypsilanti
Corwin, Hattie .....Ypsilanti
Cough, Mabel, ... Camden
Courtney, Grace .....Mansfield, O.
Courtney, Lucy Anna .....Dexter
Covault, Lena .....Casstown, O.
Coverdale, George H. .....Mayville
Cowan, Lois Loana .....Blissfield
Craft, Ruby A. .....Grass Lake
Crandall, Blanche .....Howell
Crandall, Florence ..... Erie
Crawford, Georgia .....Cheboygan
Crawford, Irene .....Ypsilanti
Crawford, Lua R. .....Saranac
Crittenden, Allie .....Conneaut, O.
Crittenden, James C. .....Portland
Crofoot, Bessie L. .....Fowlerville
Cross, Jessie .....Flint
Crotty, Jennie L. .....Ravenna
Crouch, Emilia .....Grass Lake

Cullinane, Lulu ..... Dexter
Cullinane, Nellie ..... Dexter
Culp, Edith E. ..... Constantine
Curtis, Bonnye ..... Adrian
Curtis, Mary Frances ..... Dundee
Cutting, Alice L. ..... Tecumseh
Daly, Alice May ..... Dundee
Daly, Edith ..... Dundee
Damson, Emma ..... Holland
Daniels, Mildred R. ..... Gregory
Darling, Kate B. ..... Hartland, O.
Daugherty, Anna M. ..... Marlette
Daugherty, Grace C. ..... Wellsville, O.
Daum, Ethel ..... Tipton, Ind.
Dauncey, Ethel ..... Flat Rock
Davidson, Anna L. ..... Hillsboro, O.
Davidson, Ethel L. ..... Chelsea
Davis, Augusta ..... Dundee
Davis, Clara E. ..... Ypsilanti
Davis, Clarke E. ..... Burnips Corners
Davis, Julia A. ..... Allegan
Davis, Lucy ..... Clio
Davis, M. Bertha ..... Harrison Valley, Pa.
Davis, Ora R. ..... Ypsilanti
Davison, Ethel ..... Detroit
Davy Edith M. ..... Detroit
Deal, Cora ..... Wabash, Ind.
Dealy, Mabel ..... Chelsea
Deam, Effie ..... Ypsilanti
Dean, Mabel L. ..... Quincy
Dean, Susie ..... Ypsilanti
Deaner, Mabel L. ..... St. Joseph
DeCair, Bertha B. ..... Manistee
DeCamp, Stella J. ..... Mason
Defendorf, LaVina M. ..... Dowagiac
Dehmel, Katie ..... Unionville
Dehn, Anna ..... Holland
Deland, Florence ..... Jasper
Delaney, Agnes ..... Swartz Creek
Deland, Leila ..... Jasper
DeJough, John Dykema ..... Burnips Corners
Deming, Fredrika ..... Wayne

Denison, Rena Estella ..... Birmingham
Denslow, Blanch Marjorie ..... Onsted
Depew, Elizabeth ..... Chelsea
DeRoche, Bertha ..... Posen
Dettmer, Ollie ..... Van Wert, O.
Deutzer, Louise ..... Cleveland, O.
Devereaux, Joeanna ..... Pinckney
Dewey, Eva ..... Pontiac
Dewitt, Irene L. ..... Flint
Dickerson, Bertha L. ..... Belville
Dickey, Pearl L. ..... Albion
Dickerson, Agnes ..... Benton Harbor
Dieterle, Marie A. K. ..... Saline
Dietz, Leroy ..... Williamston
Dillman, Mae ..... Mayville
Dodge, Marion E. ..... Frankfort
Dolby, Myrtelle ..... Ypsilanti
Donahue, Bessie R. ..... Monroe
Donahue, Elizabeth ..... Monroe
Dondineau, Libbie ..... Pinnebag
Donegan, Agnes M. ..... Ann Arbor
Dornan, Lizzie B. ..... Fennville
Dowdy, Ella ..... Chillicothe, O.
Dowling, Anna ..... Manchester
Downs, Verna ..... Romeo
Doying, Gertrude ..... Caro
Doyle, Marguerite ..... Cedar Springs
Doyle, Persis May ..... Delphos, Kas.
Draper, Haizelle E. ..... Montgomery
Driscoll, Edith ..... Corunna
Dudley, C. S. ..... Smiths Creek
Duffy, Katherine L. ..... Holland
Dugan, Flavia Marie ..... Wellsville, O.
Duguid, D. W. ..... Napoleon
Duncanson, Jean ..... Harbor Beach
Dunham, Blanche ..... Ypsilanti
Dunn, Nellie M. ..... Monroe
Dunton, Lena E. ..... Napoleon
Du Paul, Mamie E. ..... Monroe
Durbin, Fannie ..... Mt. Vernon, O.
Durbin, Mildred ..... Fredericksto, O.
Durfee, H. C. ..... Oak Grove

Dutnell, Isabell ..... North Ridgeville, O.
Dye, Alice M. ..... Convoy, O.
Dye, Leila E. ..... Columbus Grove, O.
Dykema, Magdaline ..... Holland
Earls, Mrs. U. S. ..... Solon, O.
Earls, Upton Sidney ..... Solon, O.
East, Sophia ..... Ann Arbor
Eastman, Jane E. ..... Benton Harbor
Easton, Verna D. ..... Dexter
Eberhart, Anna ..... Clare
Eder, Helen ..... Chelsea
Edwards, Ruth ..... Ypsilanti
Egan, Blanche M. ..... Eaton Rapids
Egeler, Mabel, ... Wayne
Eggert, Frederika ..... South Bend, Ind.
Eldred, Foss Oscar ..... Colon
Elliott, C. M. ..... Clio
Elliott, Gaynell ..... Bravo
Ellis, Lucy ..... Washington
Ellsworth, L. Edna ..... Readmond
Ely, Jennie H. ..... Farmington
Emery, Lottie M. ..... Wayne
Ensign, Grace O. ..... Defiance, O.
Erwin, Christine L. ..... Ypsilanti
Estep, Winifred ..... Lake Odessa
Evans, A. Lovina ..... Buffalo, N. Y.
Evans, Anna L. ..... Lowell
Everett, Mary M. L. ..... Ypsilanti
Evoy, Mabel ..... Detroit
Fairbank, Lulu May ..... Saline
Fallon, Mary Loretta ..... Detroit
Farland, Mrs. Beatrice ..... Detroit
Farmer, Willabelle ..... Fowlerville
Farrell, Agnes ..... Chelsea
Fast, Sidnah M. ..... McLean, Tex.
Faulkner, D. Winifred ..... Grand Rapids
Faunce, Lulu Fern ..... St. Louis
Faxon, Orra ..... Lyons
Fay, Inez L. ..... Napoleon
Felder, George W. ..... Sault Ste. Marie
Felton, Florence ..... Dorr
Fenton, Edith M. ..... Escanaba

Ferguson, Ethel L. ..... Fenton
Feneley, Elizabeth ..... Pontiac
Filkins, Stanley ..... Oak Grove
Finkle, Jennie ..... North Branch
Finton, Carrie ..... Ypsilanti
Fischer, Fred C. ..... Belleville
Fisher, Alice M. ..... Wayne
Fisher, E. L. ..... Genoa, Neb.
Fisher, Mary C. ..... Tipton, O.
Fisk, Eleanor ..... Athens
Fitzgerald, Eliza ..... Bellevue
Fitzgibbon, Catherine E. ..... Wayne
Fitzpatrick, Lucy ..... Delray
Fitzpatrick, Mae ..... Delray
Fitz Patrick, Anna I. ..... Delray
Fitzsimmons, Mary ..... Dexter
Flaharty, Donna ..... Van Wert, O.
Fleck, Anne ..... Hobart, Ind.
Flinn, Mary ..... Troy, O.
Fogg, Mary Grace ..... Jonesville
Ford, Ida ..... Azalia
Ford, Ira A. ..... Azalia
Forrest, Elizabeth V. ..... Flint
Foster, Ethel Lura ..... Madison, O.
Foster, George S. ..... Kuler
Fox Sarah ..... Saginaw
Francis, E. Anita ..... Lake Odessa
Frank, Ella ..... Van Wert, O.
Fraser, Nana ..... Medina
Freeman, Harry M. ..... Ypsilanti
Freer, Mae ..... Harrisville
French, Veva B. ..... Riley Center
Friday, Anna Louise ..... New Baltimore
Fritchey, Ethel ..... Roam, Ind.
Fritz, Julia Anna ..... Dexter
Frutig, Bertha ..... Detroit
Fuller, Ada ..... Butternut
Fuller, Eva ..... Ypsilanti
Fuller, Myrtle ..... Fairfield
Gabriel,, Anna ..... Thackery, O.
Gabriel, Edith G. ..... Owosso
Gabriel, Ina ..... Owosso

Gage, Elinor ..... New Hudson
Gale, Alice ..... Ludington
Gallaher, Louise Sherwood ..... Ypsilanti
Gallaher, Ethel ..... Three Rivers
Gardner, Enid ..... Medina
Gardner, Sarah ..... Canandaigua
Gary, Lilian ..... Ypsilanti
Gaskell, E. R. ..... Macon
Gates, Helen L. ..... Trenton
Geddes, Leila M. ..... Chelsea
Geer, Elvera ..... Plymouth
Geer, Ethel V. ..... Swanton, O.
Geer, Verna ..... Swanton, O.
George, May Olivia ..... Ypsilanti
Geraghty, Effie ..... Dexter
German, Carrie B. ..... Ypsilanti
Geman, Mary ..... St. Clair
Gibb, H. L. ..... Rapid City
Gibbons, Olive Noble ..... Ypsilanti
Gibbons, Sophie Ellis ..... Ypsilanti
Gibbs, Eudora H. ..... Litchfield
Gibson, Emma B. ..... Ashland, Del.
Gibson, Florence ..... Toledo, O.
Gibson, Harriet ..... Ludington
Gieske, Leone ..... Chelsea
Gilday, Jennie ..... Erie
Giles, Edna C. ..... Blissfield
Giles, Lydia, ... Napoleon
Gillespie, Louise C. ..... Dayton, O.
Gilman, Elmer S. ..... Eaton Rapids
Glasford, Cora Adelle ..... Capac
Gleeson, Bertha ..... Milford
Globensky, Genevieve E. ..... Detroit
Glover, Dora ..... Fowlerville
Godard, Sadie M. ..... Imlay City
Godfrey, Lillie B. ..... Detroit
Goff, Eleanor ..... Tecumseh
Goldsmith, John D. ..... Plainwell
Goldsmith, Lois ..... Vicksburg
Gollmar, Katherine ..... Liverpool, O.
Goodrich, Edna F. ..... Tuscola
Goodspeed, Ina Harriet ..... Ypsilanti

Gorden, Glenn D. .....Burnips Corners
Gorham, Harriet .....Wayne
Gorton, Gladys .....Howell
Graf, Emilie H. .....Ann Arbor
Graham, Edna Beatrice .....Detroit
Grant, Nellie H. .....Wixom
Green, C. W. .....Marcellus
Green, Edith M. .....Pittsford
Green, Jessie N. .....Pinckney
Greenslade, Georgianna B. .....Bellevue, O.
Greiner, Mary Rose .....Pinckney
Grenier, Elizabeth R. .....Lawrence
Griffith, Frances .....Eaton Rapids
Griffith, Myrtle A. .....Saranac
Grobbel, Elizabeth C. .....Detroit
Gudtmann, Hattie .....Vassar
Gump, Edith M. .....Fletcher, O
Gunn, Edward James .....Cherry Hill
Gurtzweiler, Rose M. .....Deerfield
Hass, Cora Lovina .....Ann Arbor
Haas, Hazel Fern .....Coopersville
Haase, Nellie E. .....Detroit
Hadley, Gladys .....Ottawa Lake
Hafer, Olive B. .....Shepherd
Hale, Lena M. .....Clayton
Hale Maggie .....New Boston
Hale, Maud Frances .....Hesperia
Hale, Wych Hazel .....Shelby
Hall, Carrie A. .....Ludington
Hall, Stella .....Coshocton
Halliday, Alice .....Bellevue
Halsey, Dwight M. .....White Pigeon
Hamet, Grace A. .....Algonac
Hamilton, Bertha .....Salem
Hamlin, Anna Lou .....Eaton Rapids
Hamlin, Mettie ..... Douglas
Hammond, C. G. .....Conneaut, O.
Hanaford, Addie .....St. Clair
Handy, G. C. .....Owosso
Haner, Edna H. .....Rockford
Hankard, Loretta .....Munith
Hanneman, Marie .....Detroit

Hardcastle, Lottie ..... Brooklyn
Harding, Dora ..... Lake Orion
Hardy, Mabel ..... Brown City
Harper, Alice ..... Norvell
Harper, Ella ..... Iron Mountain
Harper, Mabel O. ..... Norvell
Harris, Jessie L. ..... Lansing
Harris, Robert Emmett ..... Howell
Harrison, Celeste ..... Monroe
Harry, Jessie V. ..... Hubbell
Hart, H. Maud ..... Eaton Rapids
Hart, Pauline ..... Howell
Harten, Anna ..... Bay City
Hartsig, Anna Laura ..... Warren
Harwick, Elsie ..... Samaria
Hattel, Bertha M. ..... Gosheb, Ind.
Hatter, Florence E. ..... Milan
Hatton, Mamie E. ..... Farmington
Haven, H. Verna ..... Grass Lake
Hawken, Lillian May ..... Rochester
Hawkins, Agnes ..... Dexter
Hawley, Blanche ..... Caro
Hawley, Pearl L. ..... Ann Arbor
Hay, Ola ..... Wyandotte
Head, Roy S. ..... Milan
Heald, Marie F. ..... Hartford
Hearns, Frances ..... Warren, O.
Heatwole, Amelia E. ..... Dayton, O.
Heesen, M. Grace ..... Toledo, O.
Hein, Alice ..... Washington
Heisner, Gertrude ..... Bay City
Helm, Agnes ..... Pewamo
Helmer, Hattie D. ..... Parma
Hennigar, Lucile A. D. ..... Oscoda
Hempsted, Mary ..... Jackson
Hendricks, Lauretta M. ..... Wyandotte
Henry, Mary G. ..... Sturgis
Herald, William ..... Ypsilanti
Herman, Ida M. ..... Ypsilanti
Hickey, Tressie ..... Swanton, O.
Hickman, Blanche E. ..... Ypsilanti
Hickox, Ross A. ..... Reading

Higgins, Anna ..... Springport
Hilton, Nina ..... Jackson
Hindelang, Margaret ..... Ypsilanti
Hines, Agnes M. ..... Hersey
Hinshaw, Gertrude ..... Swayzee, Ind.
Hinsliff, Gail ..... Calumet
Hitchens, Margaret, ... North Detroit
Hoag, Ida Mae ..... Sandusky
Hocking, Johanna ..... Leslie
Hodge, A. Claire ..... Golconda, Ill.
Hoff, Alsa Joy ..... Shipshewana
Hoffman, Charles E. ..... Milan
Holcomb, Reine Leone ..... Argentine
Hollister, Margaret ..... Battle Creek
Holmes, Emma ..... Ypsilanti
Holst, Kate ..... Saginaw
Holt, Minnie E. ..... Marine City
Holzhauer, Blanche Ellen ..... Ann Arbor
Hoopes, Della ..... Plainwell
Hootman, W. S. ..... Coshocton, O.
Hoover, Clellie ..... Belding
Hoover, Rose ..... Willis
Hopkins, Catherine F. ..... Lansing
Hopkins, Normal ..... Lansing
Horn, Bertha Jane ..... Owosso
Hosbein, Rose B. ..... St. Joseph
Hosley, Eda Belle ..... Oak Grove
Houghtaling, Evangeline ..... Howell
Houle, Anna ..... Rockland
Hover, Dora Belle ..... Harrod, O.
Hover, Mae ..... Harrod, O.
Hovey, Nellie M. ..... Reed City
Howard, Alta ..... Concord
Howard, Frank Eugene ..... Ionia
Howard, Mary ..... Jackson
Howard, Sadie Mackey ..... Cass City, Ind.
Howe, Carrie Adell ..... Parma
Howell, M. Effie ..... Fowlerville
Howlette, Mrs. Florence ..... Chelsea
Hoyt, Mabelle ..... Webberville
Hubbard, Mrs. Emma ..... Hart
Hubbard, Hattie ..... Elyria, O.

Hubbard, Julia M. ..... New Baltimore
Hubert, Grace E. ..... Parma
Huegel, Dorothy Marie ..... Ypsilanti
Hughes, Mae ..... Lansing
Hughes, Pearl ..... Marshall
Hughes, Sarah ..... Northville
Hull, Mabel ..... Onondaga
Humphrey, Adah A. ..... Conneaut, O.
Humphrey, Mary A. ..... Adrian
Hutson, Bertha ..... Ypsilanti
Hutton, Florence E. ..... Fairgrove
Hyder, Lythen ..... Ypsilanti
Irish, Nellie B. ..... Dundee
Irving, Mary E. ..... Yale
Itsell, Mary R. ..... Howell
Jackson, Edna G. ..... Davisburg
Jackson, Joe ..... Clinton
James, Sophie ..... Wilmington, Delaware
Janes, Lionel Leroy ..... Coloma
Jarvis, Edna Louise ..... Plymouth
Jayne, Helen ..... Fenton
Jenkin, Grace ..... Lake Linden
Jenkins, Irene ..... Jasper
Jennings, Emily Starr ..... Detroit
Jennings, Ina ..... Milan
Jennings, Lola ..... Rochester
Jennings, Mazie ..... Detroit
Johnson, Alma E. ..... Fowlerville
Johnson, Alta M. ..... Lake Odessa
Johnson, Elizabeth ..... Evart
Johnson Iva E. ..... Willis
Jolliffe, Pearl ..... Plymouth
Jones, Carolyn ..... West Branch
Jones, Edna C. ..... Maple Rapids
Jones, Emma ..... Chesaning
Jones, Harry P. ..... Marcellus
Jordan, Amanda ..... Redridge
Jordan, Clara Regina ..... Elkhart, Ind.
Joy, Mary Evans ..... Millington
Jungnitsh, Matie ..... Otsego
Kaiser, Laura Amelia ..... Saline

Kapp, Emma Magdaline ..... Ann Arbor
Katen, Helen ..... Greenville
Kaufman, Nellie M. ..... Bellevue
Kavany, Ora ..... Yargerville
Keedle, Gertrude Mabel ..... Ann Arbor
Keegan, Catherine ..... Monroe
Keith, Elizabeth ..... Toledo, O.
Kelley, Ellen M. ..... Jonesville
Kelley, Eva Inez ..... Lima, Ind.
Kelley, Florence E. ..... Coldwater
Kelly, Gertrude ..... Cadillac
Kelly, James J. ..... Carleton
Kelly, Mabel Agnes ..... Lima, Ind.
Kelly, Mabel ..... Harrington
Kelly, S. Genevieve ..... Bay City
Kelsey, Vena ..... Saline
Kelsey, Catherine M. ..... Saline
Keller, Flossie ..... Eaton Rapids
Kenny, Grace E. ..... Hamburg
Kenny, Mabel ..... Hamburg
Kenyon, Mrs. Ida M. ..... Elkhart, Ind.
Keveney, Maude ..... Detroit
Kiley, Cora A. ..... Carleton
Kilmer, A. E. ..... Reed City
Kilpatrick, Josie ..... Munith
Kimball, Alice Putnam ..... Ypsilanti
King, Clyde M. ..... LaGrange, Ind.
King, Mattie F. ..... Holt
Kingsley, Effie Mae ..... Rushton
Kingsley, Marjorie T. ..... Manchester
Kirk, Elizabeth M. ..... Fairgrove
Kirtland, Harriett ..... Erie
Kleversart, Edna ..... Saline
Kline, Maud Grace ..... Owosso
Klugh, Olivia Rosalind ..... Detroit
Klumph, Essey ..... Detroit
Knaggs, Maude E. ..... Maybee
Knapp, Lela J. ..... Blissfield
Kniffen, Claude L. ..... Britton
Knowles, H. B. ..... Jasper
Knowles, Mrs. Lulu ..... Jasper
Koonsman, Ottie ..... Lansing

Koontz, Edyth C. ..... Birmingham
Kratz, Lilian ..... Lulu
Kroemer, Edith ..... Dayton, O.
Kuemmerle, Pauline ..... Grand Rapids
Kuhn, Margaret ..... Bedford
Kunz, Emma ..... Dayton, O.
Kurtz, Mae E. ..... Blissfield
Kusterer, Martha ..... Chelsea
LaChapelle, Edith ..... Harrisville
Laird, Mary M. ..... Mansfield, O.
Lamb, Alice ..... Hudson
Lambie, Leah J. ..... Ypsilanti
Lamborn, F. Beatrice ..... Gregory
Landberg, Minnie M. ..... Whitehall
Landon, Angie ..... Hart
Landwehr, Bertha ..... Manchester
Lane, Bessie Mae ..... Howell
Lang, Marion ..... Lansing
Laraway, Lou G. ..... Plymouth
Larkin, Martha ..... Lakeland
LaRowe, Mildred Mae ..... Howell
Lavey, Laura ..... Pinckney
Laws, Marie I. ..... Wilmington, Del.
Lawton, Kathryn ..... Coopersville
Learn, Lottie Vandella ..... Marlette
Leavey, Mary R. ..... Dexter
Leavey, Nellie E. ..... Dexter
Leddick, Emerson J. ..... Fowler
Lederer, Frieda Marie ..... Saline
Lee, Frances ..... Buffalo, N. Y.
Leeder, J. A. ..... Oxford
Leestma, Bendert ..... Zeeland
LeSage, Jessie ..... Lake Linden
Lewis, Evangeline ..... Ypsilanti
Lewis, W. Glen ..... Butternut
Light, Clara Louise ..... Laurium
Lilley, Maud ..... Belleville
Lillie, Madge ..... Shelby
Lillie, Ora ..... Coopersville
Lindow, Cora ..... Marine City
Lindsey, Edna ..... Corunna
Lobban, Georgia ..... Atlas

Lockhart, Beatrice E. ..... Ypsilanti
Lockhart, Lottie .....Essexville
Lockwood, Margaret M. .....Pittsford
Lockwood, Ruby E. ..... Madison, O.
Logan, Rose Ellen .....Deerfield
Lone, Jesse .....Swartz Creek
Lones, Sue G. .....Wilmington, Del.
Long, Leo F. .....Tekonsha
Longley, Esther E. .....Lake Odessa
Loomis, Chester M. .....Ypsilanti
Lovell, M. Winifred .....Manistee
Luce, Charles Burt .....Blissfield
Luke, Loleta ..... Jasper
Lundgreen, Louise .....Saugatuck
Luten, Alice .....Grand Rapids
Macaulay, Katherine .....Armada
Mackie, Mabel C. .....Flat Rock
Magnie, Amelia M. .....Sand Hill
Magoffin, Minnie M. .....Owosso
Mamzinger, Gertrude .....Scofield
Mangin, Dorothy .....Piqua, O.
Mangin, Mary .....Piqua, O.
Mann, Edna A. .....Dowagiac
Mann, Ruth .....Belding
Mans, Louise .....Trenton
Maronde, Marie .....Ludington
Marquardt, Pauline .....Lake Station, Ind.
Marsh, Demmis L. .....North Judson, Ind.
Marshall, Julia .....Toledo, O.
Martin, John D. .....Kingston
Martin, Lizzie .....Swartz Creek
Martin, Mary J. .....Cheboygan
Mason, Anna Wirth ..... Toledo, O.
Mattlehner, Emma .....Wapakoneta, O.
Matteson, Jennie .....Dexter
Maxted, Ada .....Alyria, O.
May, Laura M. .....New Baltimore
Mead, Eleanor .....Ypsilanti
Mears, Mary ..... Flint
Mecorney, Edith I. .....Jackson
Medill, Alice May .....Sault Ste. Marie
Meier, Marie J. .....New Baltimore

Medley, Cora B. ..... Chillicothe, O.
Melenephy, Bertrande C. ..... Belleville
Melvin, Eva ..... Pinckney
Melvin, Theresa ..... Hamburg
Merigold, Jesse A. ..... Port Huron
Mero, Jayne M. ..... Ludington
Merrell, Adeline ..... Coshocton, O.
Merriman, Ada ..... Ypsilanti
Merriman, Edythe E. ..... Reading
Merriman, Hazel ..... Ypsilanti
Merriman, Lawrence ..... Wayne
Merz, Katherine ..... Manchester
Mesic, Mary Maude ..... Milan
Meyers, Elizabeth ..... Detroit
Michelsen, Anna ..... Hobart, Ind.
Miller, Brice A. ..... Flushing
Miller, Flora Belle ..... Milan
Miller, Florence E. ..... Fennville
Miller, Gertrude Rosella ..... Saline
Miller, Ida M. C. ..... Elyria, O.
Miller, Margaret Elizabeth ..... Saline
Miller, Maude E. ..... Fenton
Miller, Nellie A. ..... Maybee
Miller, Rhoda A. ..... Ypsilanti
Milligan, Ella A. ..... Saginaw
Milliken, Mamie ..... Caro
Milliner, Goldie ..... Wabash, Ind.
Mills, Ina ..... Clinton
Mills, Pearl ..... Blissfield
Millspaugh, Helen ..... Clinton
Minard, Eleanor ..... Ypsilanti
Minard, Maria S. ..... Ypsilanti
Minns, Carrie ..... Millington
Monks, J. Erwin ..... Pinckney
Montgomery, Nellie A. ..... Poplar Bluff, Mo.
Montri, Gertrude M. ..... Riga
Moore, Bertha ..... Troy, O.
Moore, Bertha ..... Troy, O.
Moore, Louise ..... Calumet
Moore, Lula M. ..... Quincy
Moore, Sarah L. ..... Bay City
Morgan, Gertrude E. ..... Clarkston

Morrison, Mae ..... Dexter
Morse, A. Helen ..... Bay City
Morton, Alice M. ..... La Salle
Mosher, Margery E. ..... Manistique
Mosier, Frank R. ..... Hamilton
Mowers, M. Pearl ..... Portland
Moye, Iva Thelma ..... Lowell
Murphy, Aurelia Loretta ..... Negaunee
Murphy, Clare R. ..... Springport
Murray, Julia ..... Flint
Murray, Lewis H. ..... Baltimore, Md.
Myers, Florence A. ..... Detroit
McAdam, Minnie ..... Adrian
McArdle, Mary ..... Tipton, Ind.
McBain, J. Ford ..... Delton
McCallum, Charles W. ..... Reese
McCallum, Mabel ..... Howell
McCarthy, Anna ..... Ypsilanti
McCarthy, William Edward ..... Fenton
McCarty, Sadie Eleanor ..... Saginaw
McClellan, Eva ..... Birmingham
McClure, Kate Hay ..... Coshocton, O.
McComb, Roy E. ..... Oak Grove
McComb, Roy E. ..... Blissfield
McCormack, Anna ..... Detroit
McCosh, Elizabeth ..... Homer
McCrickett, Elizabeth ..... Bay City
McCumsey, Wallace ..... Potterville
McDonald, Grace M. ..... Sterling
McDonald, Katie ..... Flat Rock
McDonough, May ..... Oak Grove
McDowell, Harriet ..... Carlisle, Pa.
McDowell, Prudence ..... Howell
McEuen, Margaret ..... Detroit
McFarland, Gladys B. ..... Scottville
MacFetridge, Kate ..... Ypsilanti
McGillivrary, Mary L. ..... Wellsville, O.
MacGinnis, Agnes L. ..... Laurium
MacGregor, Mae ..... Ann Arbor
McGuire, Florence ..... Clinton
McGuire, Mae L. ..... Fenton
McHenry, Carrie ..... Wabash, Ind.

McIntyre, Eupheme ..... Grindstone City
McKay, Christina ..... Midland
McKay, F. B. ..... Bad Axe
McKim, Cecil ..... Cass City
McMillan, Margaret ..... Monroe
McMonagle, Bessie ..... Dryden
McNair, Lida ..... Flint
McNair, Mabie ..... Flint
McNamara, Marie ..... Howell
McNeil, Marion G. ..... Bay City
McNeil, Rushia ..... Muskegon
McNicol, Elizabeth B. ..... Port Huron
McVean, Ethel B. ..... Pontiac
McVittie, Grace Maria ..... Utica
Nanry, Lulu M. ..... Ann Arbor
Nelson, Katherine C. ..... Monroe
Newell, Nella E. ..... Sault Ste. Marie
Newnham, Bessie L. ..... Saugatuck
Newlon, Lulu M. ..... Agricultural College
Neyer, Anna ..... Manchester
Nichols, Dell. ..... Lansing
Nichols, Kathryn ..... Lansing
Nickel, Ella ..... Au Sable
Nicolson, Ethel E. ..... Marlette
Nieman, Agnes ..... Blissfield
Nieman, Hazel N. P. ..... River Rouge
Nolan, Nellie ..... Mio
Nusbaum, Mayme ..... Temperance
Nusbaum, Rose ..... Temperance
Nye Mabel ..... St. Joseph
O'Brien, May ..... Milan
O'Hearn, May ..... Ann Arbor
O'Keefe, Genevieve ..... Flint
Older, Belle ..... Adrian
O'Leary, P. J. ..... Grass Lake
Olson, Mabel M. ..... Muskegon
Osborne, Mildred ..... Calumet
Ottinger, Ordelle E. ..... Mansfield, O.
Padfield, Mary ..... St. Clair
Page, Essie ..... New Philadelphia
Paisley, Georgia ..... Ypsilanti
Pajot, Olive ..... Auburn

Palmer, Della Marilla ..... Brooklyn
Palmer, Alice E. .....Cement City
Palmer, Bertha M. .....Brooklyn
Palmer, Jessie .....Hart
Palmer, Luella .....Clinton
Palmer, Mary Belle .....St. Clair
Palmer, Sabria Ann .....Detroit
Paquette, Montie .....Ottawa Lake
Pardee, Mary L. .....Detroit
Pardon, Myrtle L. .....La Salle
Park, Bessie L. .....Kalamazoo
Parker, Fern .....Eaton Rapids
Parker, Nora .....Mulliken
Parker, Ora .....Mulliken
Parkins, A. E. ....Holland
Parkinson, Blanche J. .....Yale
Parks, Susie .....Alamo
Parmelee, Alice L. .....Petersburg
Parmelee, Irene .....Flushing
Parmelee, Ruth .....Petersburg
Parsons, Gertrude L. .....Ypsilanti
Parsons, Lizzie E. .....Bancroft
Partridge, Jno R. .....Whitehall
Patterson, Ethel Mae .....Rochester
Payne, Frances .....Coopersville
Payne, Grace .....Hillsdale
Pearce, Nellie Maud .....Yale
Pearson, Ola J. .....Wabash, Ind.
Pease, Helen .....Ypsilanti
Pelham, Meta E. .....Detroit
Peppiatt, Bessie .....Ypsilanti
Perrigo, Pansy .....Holly
Perry, Pearl .....MaComb, O.
Perso, Matilda M. .....Hubbell
Peters, Winifred .....Pinckney
Peterson, Laura Belle .....Cherry Hill
Petrie, Jane E. .....Manistee
Pettit, Bertha O. .....Shiloh, O.
Pew, Reah Evelyn .....Ypsilanti
Phelps, Jessie Lee .....Willis
Phelps, Pearl A. .....Bay City
Philbrick, Verna Bell .....Mt. Clemens

Phillips, Lillie M. ..... Cheboygan
Phillips, Lula M. ..... Lansing
Phillips, Mermie ..... Mason
Philp, Janie E. ..... Caro
Piatt, Fred ..... Mt. Pleasant
Pickett, Kittie ..... Milford
Pierce, Ida E. ..... Montgomery
Pittenger, Benj. F. ..... Shelby
Pittman, Mrs. Lila ..... Rollin
Plewes, Margaret ..... Monroe
Plumb, Clara ..... Mayville
Poage, Geo. C. ..... E. St. Louis, Ill.
Poage, Nellie L. ..... E. St Louis, Ill.
Pocklington, Dora L. ..... Ridgeway
Polk, Mamie ..... River Rouge
Pomeroy, Elizabeth ..... Armada
Porter, C. Summer ..... Leonidas
Potter, Edna M. ..... Geneva
Powers, M. Della ..... Lansing
Powrie, M. Alice ..... St. Clair
Pratt, Ada Marion ..... Linden
Prentiss, Nelly M. ..... Detroit
Preston, Clara ..... Grass Lake
Preston, Ella Jeannette ..... Preston
Preston, Maggie Belle ..... Grass Lake
Prine, Howard ..... Springport
Pritchard, Daphne ..... Weidman
Pullon, Fay ..... Lulu
Purdy, Grace A. ..... Sand Hill
Purdy, N. Vina ..... Sand Hill
Purdy, Nettie L. ..... Plymouth
Purdy, Retta ..... Caro
Purfield, Helen ..... Ann Arbor
Purtell, Catherine E. M. ..... Ann Arbor
Putnam, Birdie ..... Holton
Quick, Roy A. ..... Richmond
Quinlan, Blanche C. ..... Detroit
Raftrey, Mabel ..... Chelsea
Ragan, Florence ..... Paulding, O.
Randall, Alice Maude ..... Utica
Randall, Charlotte O. ..... Beloit, Wis.
Randolph, Le Ella ..... Adrian

Rankin, Adelene P. ..... York
Rankin, Grace May ..... Dundee
Rappleye, Martha F. ..... Ypsilanti
Rathbun, Nellie S. ..... Adrian
Rawdon, Harry ..... Ypsilanti
Raymond, Myrtia ..... Adrian
Reading, Gertrude C. ..... Flat Rock
Reason, Mae K. ..... Pinckney
Reber, Anna ..... Fremont
Rector, Lillian ..... Ionia
Redinger, Frank ..... Howell
Reed, Charlotte ..... Milford
Reed, Lula A. ..... Ypsilanti
Reed, Wm. L. ..... Blissfield
Reeder, Mary ..... Norwalk, O.
Reik, Florence M. ..... Lansing
Rennell, Esther ..... Oscoda
Requa, Amy C. ..... Corunna
Reynolds, Alma I. ..... Rives Junction
Reynolds, Carrie E. ..... Rives Junction
Reynolds, Chloe ..... Jasper
Reynolds, Ione ..... Paw Paw
Rhea, Margaret ..... Big Rapids
Rhoads, Myrtle B. ..... Temperance
Ricard, Ethel ..... Ypsilanti
Rice, Edna S. ..... Ann Arbor
Rice, Elsie S. ..... Blissfield
Richards, Judith M. ..... Carleton
Richards, Mary B. ..... Painesdale
Richardson, Helen ..... Belleville
Richardson, Maude ..... Adrian
Richardson, Sarah Ellis ..... Bath
Richey, Mary D. ..... Homer
Riddle, Fern D. ..... Caro
Riedel, Blanche ..... Saline
Rieder, Louise ..... Dexter
Riemenschneider, Katie ..... Chelsea
Riker, Grace L. ..... Millington
Riley, Elva S. ..... Weston
Riley, Nona ..... Weston
Riopelle, Jessie ..... Grand Marais
Riopelle, Mamie ..... Delray

Riopelle, Mertie ..... Detroit
Rivard, Dorothy A. ..... River Rouge
Rivard, Martha Lynda ..... New Baltimore
Robedeau, Lillian ..... Erie
Roberts, Ada Belle ..... Parma
Roberts, Bernetta A. ..... Erie
Robertson, Lula ..... Lansing
Robertson, Margaret ..... Wabash, Ind.
Robison, Linna ..... Saline
Rockwell, Frances Elizabeth ..... Caro
Rockwell, Pearle ..... Orchard Lake
Rogers, A. R. ..... Deerfield
Rogers, Linnie ..... Saline
Roggeman, Hulda ..... Dundee
Rohn, Clara ..... Ypsilanti
Romer, Linda H. ..... Ypsilanti
Root, Chas. C. ..... Shelby
Root, Ida A. ..... Vassar
Root, Mrs. May D. ..... Shelby
Root, Rosamond ..... Breedsville
Rorabeck, Lovisa ..... Eaton Rapids
Rose, C. L. ..... Evart
Rosenberger, Grace ..... Munith
Ross, Florence S. ..... Lexington
Rosso, Evelyn May ..... Mt. Clemens
Rubert, Cassie ..... Dansville
Ruggles, Henry J. ..... Traverse City
Ryan, Anna ..... St. Johns
Ryan, Katie M. ..... Ypsilanti
Ryan, Nona ..... Wayne
Ryerson, Grace L. ..... Holton
Sacia, Delia Caroline ..... Grand Rapids
Sage, Tilla M. ..... Ypsilanti
Salliotte, Rose F. ..... Ecorse
Sands, Anna L. ..... Hillsdale
Sans Souci, Harriet G. ..... Ecorse
Sarjeant, Ethel L. ..... Port Huron
Sargent, Bernice ..... Ypsilanti
Sargent, Carl M. ..... Ypsilanti
Savage, Samuel P. ..... Dowagiac
Sawdon, Jonas ..... Chevington
Schaeffer, Alta M. ..... Sturgis

Schaffer, Emma ..... Manchester
Schell, Belle ..... Cass City
Schenk, Ella Regina ..... Ann Arbor
Schlenker, Bessie ..... Jackson
Schlicht Lottie M. ..... Manchester
Schmidt, Pauline L. ..... Munith
Schober, Frederica E. ..... Ida
Schober, Julia ..... Ida
Schoen, Elizabeth ..... Dexter
Scollen, Maude E. ..... Saginaw
Schuyler, Pauline ..... Adrian
Scollen, Maude E. ..... Saginaw
Scone, Elizabeth ..... Rockford, Ill.
Scott, Edith Lyman ..... Northville
Scott, Grace ..... Ypsilanti
Scott, Lettie M. ..... Ypsilanti
Scott, Margaret H. ..... Ashtabula, O.
Scott, Maude ..... Grand Haven
Scott, Myrtle ..... Romulus
Scott, Wanda J. ..... Ypsilanti
Scott, William Arthur ..... Ontario
Scullen, Charles A. ..... Linden
Sears, Margaret ..... Saline
Selkirk, Mabel Jean ..... Reed City
Sharpe, Martha E. ..... Big Rapids
Sheldon, Carrie M. ..... Quincy
Sherman, Cora Ellen ..... Bellevue, O.
Sherzer, Allen ..... Ypsilanti
Sherzer, Josephine ..... Ypsilanti
Shewcraft, Clara B. ..... Detroit
Shiffler, Orpha ..... Frontier
Shingler, Helen ..... Ypsilanti
Showers, Frank L. ..... Ypsilanti
Simpson, Bertha Mae ..... Fowlerville
Simpson, Blanche E. ..... Berrien Springs
Simpson, Frances Mabel ..... Mishawka, Ind.
Skeels, Dora ..... Harietta
Skelley, Anna E. ..... Vassar
Skogland, Emma ..... Kenton
Slater, Alice M. ..... Pontiac
Slater, Inez A. ..... Pontiac
Slating, Edgar J. ..... Romeo

Slayton, Bertha D. ..... Lulu
Sly, Blanche E. ..... Swanton, O.
Smith, Alma W. ..... Fayette, O.
Smith, Annie J. ..... Frankfort
Smith, Ara A. ..... Blissfield
Smith, Charlotte ..... Battle Creek
Smith, Della Clara ..... Sandhill
Smith, Earl I. ..... Lansing
Smith, Ella Mae ..... Bath
Smith, Harriet Marsh ..... Buffalo, N. Y.
Smith, Helen ..... Elkton
Smith, Helen E. ..... Wellsville, O.
Smith, Margaret ..... Standish
Smith, Maribel ..... Standish
Smith, Mattie A. ..... St. Johns
Smith, Ora L. ..... Paw Paw
Smith, Pauline ..... Okemos
Smith, Pearl ..... Canton
Smith, Susan ..... Denton
Smith, Theresa ..... Detroit
Smitz, Grace Rosa .....
Snell, Alice A. ..... Azalia
Snell, Minnie L. ..... Ida
Sniveley, Violet ..... Benton
Snover, Florence ..... Dryden
Snowball, Elisabeth M. ..... Milan
Soles, Estella M. ..... Dundee
Son, Rose ..... Trenton
Sonders, Alma ..... Dayton, O.
Souva, Stella J. ..... Monroe
Southwick, Sophie ..... Hart
Southworth, Alice E. ..... Quincy
Spalding, Florence ..... Lyons
Spear, Orra May ..... Menominee
Spicer, Elsie Cora ..... Carleton
Sprague, Nora M. ..... Belding
Sprague, Ralph M. ..... Douglas
Sprague, Roy E. ..... Farmington
Spring, Helen W. ..... South Lyon
Springsteen, Vidia M. ..... Frankfort
Squires, Mrs. C. C. ..... Camden
Stacey, Clara M. ..... Pontiac

Staeb, Wilhelmina ..... Ann Arbor
Steagall, J. Roscoe ..... Manteno, Ill.
Stearns, Beulah V. ..... Osseo
Stearns, H. E. ..... Coloma
Stebbins, Genevieve E. ..... Dexter
Steele, Ida ..... Farmington
Steimle, Clemens P. ..... Atlantic Mine
Stephens, Leo ..... Milford
Stevens, Ethel M. ..... Moscow
Stevens, Fred M. ..... Riga
Stevenson, Helen ..... Port Huron
Stewart, Lettie ..... Manistee
Stewart, Nettie E. ..... Ypsilanti
Stoffer, Nellie ..... Ypsilanti
Stollsteimer, Lydia C. ..... Ann Arbor
Stone, Alberta ..... Fairfield
Storer, Ina B. ..... Camden
Storer, Sterry J. ..... Camden
Stowe, Clella Rose ..... Webberville
Stowe, Ethel ..... Webberville
Stone, Mae Adelaide ..... Saginaw
Strimble, Lucy .....
Stuart, Elizabeth ..... Ironton
Sturm, Amanda ..... Saline
Sullivan, Mary F. ..... Ypsilanti
Summer, Aaron ..... Ann Arbor
Sutherland, Mrs. Elizabeth ..... Jennings
Sutherland, E. B. ..... Jennings
Swarts, Helen ..... Wabash, Ind.
Sweet, Carrie Ethel ..... Saline
Sweet, Violet ..... Saline
Tanguary, Grace ..... Van Wert, O.
Taylor, Alice ..... Berrien Springs
Taylor, Lillie ..... Berrien Springs
Taylor, Martha ..... Ann Arbor
Teets, Eliza ..... Sandusky
Telfer, Elizabeth ..... Albuquerque, N. M.
Terpenning, Edna ..... Quincy
Thomas, Annie F. ..... Lansing
Thomas, Genevieve R. ..... Ypsilanti
Thomas, May L. ..... Grand Rapids
Thompson, Dorothy ..... Grand Rapids

Thompson, Flossie Myrtle ..... Grant
Thompson, J. Alton ..... Flushing
Thompson, Margaret ..... Adrian
Thomson, Sarah ..... Palmyra
Thorn, Ella ..... Flat Rock
Thorne, Grace J. ..... Fennville
Thorne, Isabella C. ..... Fennville
Thorpe, Maud ..... W. Saginaw
Tincknell, Julia M. ..... Romeo
Tiplady, Julia ..... Dexter
Todd, Ruth Keeler ..... Berea, Ky.
Thompkins, Edna E. ..... Colon
Toombs, Addie Mae ..... Dundee
Tooze, Mabel L. ..... Monroe
Torrey, Alice ..... Monroe
Torrey, Grace ..... Monroe
Torrey, Reine M. ..... Cadillac
Townley, Rena Mae ..... Jackson
Trathen, Sidney P. ..... Houghton
Travis, Edith M. ..... Elsie
Travis, M. B. ..... Clarkston
Treiber, Emma ..... Niles
Trempe, Annie J. ..... Sault Ste. Marie
Tribbey, Mabel ..... Lakeview
Tripp, W. J. ..... St. Clair
Trombley, Laura K. ..... Cheboygan
Trumbull, Minnie M. ..... Hastings
Tucker, Jennie ..... Montgomery
Tunnard, La Verne ..... Oak Grove
Turner, A. L. ..... Saline
Tuttle, Eunice M. ..... Seneca
Tuttle, Goldie G. ..... Adrian
Tyler, Georgianna ..... Marine City
Tyler, Luella ..... Ann Arbor
Tyree, Maude ..... Hillsboro, O.
Tysver, Mary E. ..... Charlevoix
Uckele, Bertha E. ..... Erie
Uht, Rena ..... New Boston
Underwood, Lyda E. ..... Mt. Vernon, O.
Updike, Audry P. ..... Kalamazoo
Upham, Edward ..... Flat Rock
Valead, Lyda ..... Bay City

Van Buskirk, Ora ..... La Cross, Ind.
Vandemark, Lela M. ..... Fair Grove
Vander Velde, Dora ..... Grandville
Vander Velde, Tena E. ..... Grandville
Van Horn, May ..... Newark, O.
Van Ommeren, Flora ..... Laingsburg
Van Patten, Bessie ..... Berrien Springs
Van Riper, Ada H. ..... Flat Rock
Van Wagner, Alice ..... Cromwell, Ind.
Vogelbacher, Georgia ..... Wayne
Wade, Benj. Franklin ..... Hillsdale
Wadsworth, Mina Louise ..... Ypsilanti
Wagg, Mandana A. ..... Marine City
Waite, Glenna ..... Charlotte
Waite, Olive ..... Dexter
Walker, Georgia ..... Kent City
Walker, Lillian M. ..... Sault Ste. Marie
Walker, Sadia Belle ..... Plymouth
Wall, Lydia ..... Salem
Wallace, Luella ..... Wheeling, W. Va.
Wallace, Mary A. ..... Birmingham
Walling, Mrs. W. L. ..... Ypsilanti
Walling, W. L. ..... Ypsilanti
Walsh, Gladys H. ..... Bath
Walsh, Mary ..... Vermontville
Walsh, Minnie ..... Dexter
Walsh, Nellie ..... Chelsea
Ward, Geta M. ..... Ypsilanti
Ward, Maybelle ..... Temperance
Ward, Sadie ..... Temperance
Warne, H. G. ..... Newberry
Warner, M. Melissa ..... Dowling
Warnock, Mrs. Carrie ..... Elyria, O.
Washburn, Edward R. ..... Dexter
Waterman, O. A. ..... Utica
Waters, Lucretia ..... Belleville
Waters, Sarah E. ..... Ypsilanti
Watkins, Myrl ..... Flint
Watson, Grace M. ..... Grand Rapids
Waugh, Dorothy ..... Mansfield, O.
Way, Bertha A. ..... Port Huron
Wearne, Amy E. ..... Laurium

Weaver, Florence C. ..... Shipshewana, Ind.
Weaver, Nina ..... Ann Arbor
Webb, May L. ..... Ypsilanti
Webber, Edna ..... Van Wert, O.
Weber, Lydia ..... Gaylord
Weber, Valerius ..... Pettisville, O.
Webster Dollie ..... Fenton
Wedemeyer, Clara Regina ..... Ann Arbor
Weidman, Jessie ..... Croswell
Weitbrecht, Emma C. ..... Ann Arbor
Welch, Elizabeth ..... Milford
Welcker, Lela ..... Howell
Wells, Annette D. ..... Defiance, O.
Wells, Ida ..... Vermontville
Welsh, Agness ..... Dexter
Welch, Margaret M. ..... Dexter
Welch, Mary H. ..... Grand Rapids
Welch, Mildred A. ..... Dexter
West, Alma ..... St. Clair
West Clarence J. ..... Franklin
Westerman, Agnes ..... Monroe
Weston, Genevieve .....
Weston, Lynn Edwin ..... Marlette
Westphal, Louise M. ..... Bay City
Wetmore, Georgia ..... Holland
Wetterholt, E. Grace ..... Carleton
Weyers, Eleanor B. ..... Port Huron
Wheeler, Jessie ..... Athens
Whelpley, Bessie A. ..... Ashtabula, O.
Whittaker, Florence ..... Ypsilanti
White, Elizabeth Pearl ..... Ypsilanti
White, Fern ..... Ypsilanti
White, Harriet L. ..... Ann Arbor
White, Lois B. ..... Grand Rapids
White, Marian F. ..... Ypsilanti
White, Mima L. ..... Fairfield
Whitlock, Althea ..... St. Johns
Whitney, Dot Elizabeth ..... Newport
Whitney, Ed ..... Port Sanilac
Whittaker, Guy M. ..... Kingston
Whittington, Gertrude ..... Bellevue, O.
Wickerham, Nellie ..... McComb, O.

Wickwire, Gayle C. ..... Clyde, O.
Widoe, Iva ..... Hart
Wilcox, Clara ..... Albion
Williams, Edith ..... McComb, O.
Williams, Gertrude ..... Genesee
Williams, Winifred ..... Plymouth
Williamson, Anna O. H. ..... Baltimore, Md.
Williamson, Beulah ..... Wellsville, O.
Williamson, Mary O. H. ..... Washington, D. C.
Wilmarth, Lenah A. ..... Quincy
Wilson, Bertha B. ..... Chelsea
Wilson, Catherine ..... Ypsilanti
Wilson, Clarence G. ..... Ogden Center
Wilson, Ella M. ..... Ypsilanti
Wilson, Florence ..... Ypsilanti
Wilson, Helen A. ..... Chelsea
Wilson, Ida L. ..... Grand Rapids
Wilson, Laura N. ..... Shelby
Wilson, Mayme G. ..... Sand Creek
Wilson, Melissa ..... Capac
Windrem, Edwina C. ..... Caro
Wines, Emma Mae ..... Ypsilanti
Winslow, Jennie ..... Chelsea
Winsor, Minnie F. ..... Wayne
Winters, Emmet E. ..... Stockbridge
Wirth, Clista D. ..... Ypsilanti
Withey, Estelle V. ..... Marshall
Wolenburg, Florence ..... Detroit
Wolfe, Gussie ..... Shipshewana, Ind.
Wood, Angie ..... Charlevoix
Wood, Bessie ..... Charlotte
Wood, V. B. ..... Bangor
Woodman, Cora ..... Paw Paw
Woods, Edward R. ..... Dutton
Woods, Louise ..... Ravenna, O.
Wooster, Lillian B. ..... Calumet
Worden, Florence ..... Howell
Worden, Irma ..... Harbor Beach
Worden, Nina E. ..... Salem
Wright, Juletta ..... Ann Arbor
Wrigley, Mary Alice ..... Fremont, O.
Wright, Ruby M. ..... Denton

Wright, Marion L. .....Monroe
Young, Nellie Mae .....Dundee
Young, Mary Genevieve .....Gregory
Young, Margaret Alice .....Gregory
Young, Georgia .....Detroit
Yunker, John Jacob .....Lima, Ind.
Zeigler, Bertha A. .....Defiance, O.
Zimmerman, Katherine .....Monroe
Zuck, Edwin .....Lima, Ind.

List of Graduates, 1905-6

December, 1905
LIFE CERTIFICATE

Bryan, Harry W. .....Mt. Morris
Culp, Gertrude .....Constantine
Gabriel, Edith C. .....Owosso
Green, Carleton W. .....Byron Center
Harding, Fannie ..... Martin
Harrington, Lena M. .....Olivet
Hale, Emily Swift .....Dexter
Hopphan, Margaret .....Lansing
Langdon, John W. .....Allen
Lusby, Viola .....Ann Arbor
Miller, Ella E. .....Detroit
Nicholls, Carrie H. .....Lake Linden
Park, Bessie L. .....Kalamazoo
Reynier, Eva H. .....Grand Rapids
Stewart, Blanche, ...Middleville
Smith, A. Ezoe .....Tawas City
Smith, Nina Grace .....Big Rapids
Smith, William B. .....Ubley
Townley, Grace .....Ann Arbor
*Uren, B. Ethel .....Norway
Wakefield, Ella E. .....Howell
Wallace, Josephine M., ... Detroit
Wright, Lora .....Grand Blanc

*Deceased. ..

GRADED SCHOOL CERTIFICATE

Andrews, Louise A. ..... Paw Paw
Barkume, Claire ..... Detroit
Dean, Lulu A. ..... Ypsilanti
Easton, Verna ..... Dexter
Fisher, Alice C. ..... Oak Grove
Harrington, Mattie I. ..... Cadillac
Hetcheler, Alma ..... Howell
Horen, Leslie E. ..... Ypsilanti
Killen, Marie ..... Romulus
Lilly, Maud ..... Belleville
Payne, Cynthia E. ..... Owosso
Rivard, Dorothy A. ..... River Rouge
Snyder, Ethel I. ..... Battle, Creek
Wilcox, Cecyl C. ..... Benton, Harbor

DEGREE B. Pd.

Broecker, Richard W. ..... Hadley
Gurd, Edith M. ..... Benton Harbor
Whitcomb, Lemly P. ..... Weatherford, Okla.

March, 1906

LIFE CERTIFICATE

Carroll, Jett A. ..... Bay City
Clark, Mabel Leone, ... Denton
Cornish, Mildred ..... Lawton
Crane, Caroline ..... Ypsilanti
Ferguson, Irene ..... Almont
Filley, Edna ..... Ashton
Head, Roy S. ..... Milan
Hoag, Adelia ..... Springport
Howard, Charlotte ..... Jackson
Jones, Adeline ..... Detroit
Lewis, W. Glen, ... Butternut
Mattison, Jennie L. ..... Dexter
Miller, M. Louise ..... Eaton Rapids
Moeller, Julius H. ..... Hillsdale
McNamara, Mae ..... St. Ignance
Parker, Mary ..... Traverse City
Smith, Lillian Blanche ..... Berville
Sprague, Roy E. ..... Farmington

Stanley, Winfield .....Hillsdale
Wilson, Lulu .....Oxford
Woodward, Alban C. .....Milan

GRADED SCHOOL CERTIFICATE

Akey, Madge .....Colon
Cornish, Avrilla, ... Durand
Hughes, Sarah .....Northville
Uren, Maude .....Norway

RURAL SCHOOL CERTIFICATE

Bryant, Birdie .....

LIFE CERTIFICATE

June, 1906

Allen, Lottie .....Albion
Arnot, Cora .....Mt. Clemens
Atkin, Bertha L. .....Petoskey
Atkinson, F. H. .....Reese
Ballard, Amy .....Cedar Springs
Ballard, Bessie .....Cedar Springs
Bannen, Robert A. .....Mt Clemens
Barmby, Eleanor .....Mt. Clemens
Barnard, Amy L. .....Durand
Bartlett, Mary E. .....Harbor Beach
Blossom, Edna G. .....Cedar Springs
Bonner, Blanche E. M. .....Newaygo
Borgmeier, Lena .....Petersburg
Borgmeier, Mary .....Petersburg
Brady, Anna .....Ypsilanti
Broesamle, Anna .....Ypsilanti
Brown, Celia A. .....Plymouth
Brown, Guy C. .....Clarkston
Brown, Leroy N. .....Clarkston
Burke, Nettie Frances .....Shelby
Burton, Jennie Laura .....Benton Harbor
Bush, Ila Isabelle .....Gobleville
Carpenter, Grace .....Orion
Chapel, Helen .....Parma
Childs, Frances G. .....Hudson
Clark, Helen .....Lansing
Clem, Emerson S. .....St. Paris, O.

Colby, Chas. C. ..... Armada
Cole, Frances Amy ..... Ypsilanti
Collins, Agnes Imogene ..... Toledo, O.
Collins, Marlin B. ..... Ypsilanti
Corbett, Mildred ..... North Adams
Cottrell, Grace ..... Detroit
Cox, Mabel L. ..... Ypsilanti
Crane, Mabel A. ..... Hillsdale
Cranley, Honora ..... Scottville
Crego, Gayle ..... Brooklyn
Cronin, Elizabeth ..... Blaine
Crosby, Viva E. ..... South Lyon
Cross, Arthur E. ..... Calumet
Crossman, Clara C. ..... Camargo, Ill.
Culver, Sheldon ..... Milan
Currie, Essie M. ..... Richmond
Colbert, Veva ..... Hanover
Cutler, Cassie B. ..... Saranac
Davis, Ira W. ..... Fowlerville
Davis, Wm. Walter ..... Muskegon
Dean, Winifred S. ..... Saginaw, W. S.
DeGreen, Albert L. ..... Addison
Dennis, Venola ..... Ann Arbor
Devin, Esther L. ..... Buchanan
DeVries, Mrs. Florence ..... Manton
Dietrich, Nella E. ..... Laingsburg
Dunbar, Ruth O. ..... Grand Rapids
Dunham, Sophie ..... Alma
Eddy, Elsie L. ..... Plymouth
Fair, Ethel D. ..... Ypsilanti
Ferguson, Wallace A. ..... Newton Falls, O.
Fish, Zayda B. ..... Constantine,
Fitts, Maisie Louise ..... Evart
Flink, Edith ..... Bear Lake
French, Anna L. ..... Kalamazoo
Gary, Lilian ..... Ypsilanti
Gibbons, J. Winifred ..... Urbana, O.
Giles, Elsie E. ..... Rockford
Glass, Claribel E. ..... Denton
Goodhew, Lily E. ..... Ann Arbor
Grant, Eva Agnes ..... Ypsilanti
Greer, Ermah E. ..... Northville

Grosa, Harlow D. ..... Ann Arbor
Hagenbush, Rosa Belle ..... Three Rivers
Hale, Della E. ..... Springport
Hall, Lelia ..... Chesaning
Harley, Dora ..... Ludington
Harmon, Mary ..... Birmingham
Hart, Mabel R. ..... South Haven
Hartwell, Mary ..... Charlotte
Heald, Marie ..... Hartford
Heilner, Florence ..... Howard City
Henry, Ethel ..... Lexington
Herr, Lila ..... Benton Harbor
Hess, Barbara ..... Elsie
Hicks, Bessie M. ..... Allegan
Hinkle, Isabelle ..... Hillsdale
Hinkson, Bertha ..... Detroit
Holcomb, Edith ..... Traverse City
Howe, Alice A. ..... Howell
Hoyle, Edith L. ..... Cedar Springs
Hubbell, Bessie S. ..... Ypsilanti
Hunter, Frances ..... Adrian
Hurlburt, Pearl E. ..... Tawas City
Huyck, Josephine ..... Clio
Jackson, Myra ..... Ovid
Jennings, Sarah ..... Eaton Rapids
Johnson, Carl V. ..... Vandalia
Jones, Elsie B. ..... Negaunee
Jones, Lucy C. ..... Andover, O.
Justema, Katheryn E. ..... Grand Haven
Kennedy, Claribel S. ..... Lansing
Kenzler, Alice ..... Saginaw
Kern, Mattie L. ..... Ypsilanti
King, Ira F. ..... Ypsilanti
Kircher, Irving ..... Webster, N. Y.
Kniffen, Claude L. ..... Britton
Knight, Belle ..... Blissfield
Lamb, Lottie L. ..... Fenton
Lawrence, Lila ..... Lowell
LeClerc, Ida E. ..... St. Ignace
Ledinsky, Blanche ..... Bucyrus
Leeman, Mary V. ..... Chelsea
LeSage, Irene ..... Butte, Mont.

Lich, Alta ..... Big Rapids
Lightfoot, Adelbert R. ..... Ann Arbor
Long, Mabel E. ..... Dearborn
Look, Florence M. ..... Detroit
Looker, Nellie ..... Ann Arbor
Loomis, Agnes Taylor ..... Ypsilanti
Lowe, Leila ..... Adrian
Lownsbury, Mabel C. ..... Ypsilanti
Lux, L. Marguerite ..... Mears
Mann, Lulu ..... Williamston
Mann, Ruth ..... Belding
Maxfield, Maud ..... Allegan
Meyers, Elsie ..... Three Rivers
Misner, Charles E. ..... Otisville
Mullen, Frances ..... Mass City
Munro, Bessie E. ..... Portland
McAuliffe, Agnes ..... Negaunee
McBain, J. Ford ..... Delton
McDonald, Jessie ..... Marshall
McGregor, Alice ..... Ypsilanti
McMillen, Floy ..... Ypsilanti
McMillen, Mabel ..... Howard City
Nackerman, Mary J. ..... Elk Rapids
O'Connor, Marguerite ..... Lapeer
O'Dell, Edna Jessie ..... Port Huron
Olds, Nina S. ..... Ypsilanti
O'Neill, Julia ..... Hubbardston
Orr, Lulu ..... North Branch
Orr, Mildred ..... North Branch
Osborne, Ina R. ..... Warren
O'Toole, Elizabeth ..... Bellevue
Owen, Bernice ..... Orion
Page, Josie E. ..... Grand Rapids
Parmalee, Elizabeth ..... Morrice
Peake, Ethel E. ..... Portland
Peake, Ora B. ..... Portland
Penoyar, Nellie ..... Bangor
Phillips, Clara A. ..... Bangor
Pittenger, Benj. ..... Shelby
Potter, Jessie ..... Thompsonville
Prideaux, Della ..... Lake Linden
Purdy, Lula D. ..... Harbor Beach

Ray, Leah A. ..... Buchanan
Riddle, Carrie M. ..... Plymouth
Roehm, Cora ..... Ypsilanti
Rutson, Fay ..... Detroit
Sayles, Ida G. ..... Ypsilanti
Schaffer, Bertha C. ..... Ann Arbor
Schell, Herbert G. ..... Oxford
Scoutten, Margaret ..... Laingsburg
Shelden, Carrie M. ..... Quincy
Smallegan, Dora M. ..... Central Lake
Smith, Edna B. ..... St. Joseph
Smith, Guy C. ..... Tipton
Smith, Mabel M. ..... Ypsilanti
Smith, Susan R. ..... Denton
Sober, Ethyl M. ..... Alma
Stark, Eliza Page ..... Ann Arbor
Steere, Elizabeth ..... Ann Arbor
Stephens, Bess E. ..... Stockbridge
Stevenson, Maude ..... Bronson
Sturm, Julia ..... Clinton
Swaine, Jessie C. ..... Ypsilanti
Sweet, Elizabeth ..... Ypsilanti
Taggart, Ella Bertha ..... Burr Oak
Taylor, Eileen, Estelle ..... Saginaw
Terry, Laura A. ..... Ortonville
Theel, Sophie ..... Detroit
Titsworth, Mabel ..... Plymouth
Tripp, Nettie C. ..... Ludington
Turner, Bertha V. ..... Petoskey
Turner, G. Ruth ..... Jackson
Van Auken, Bess ..... Hartford
Walker, Chas. D. ..... Plainfield
Walcott, Albert ..... Shelby
Warner, Wm. E. ..... Detroit
Wallin, Irene ..... Bay City
Walrath, Henrietta ..... Bay City
Walsh, Henry ..... Cedar Springs
Waltz, Elizabeth ..... Marshall
Warren, H. Margaret ..... Calumet
Weller, Erma P. ..... Rockford
Wellington, Carrie ..... Springport
Wetherell, Elizabeth ..... Wayne

Wheelock, Ethel ..... Saranac
Whitbeck, Flora ..... Plymouth
Willman, Edward J. ..... Montague
Wilson, Hattie ..... Marlette
Wisner, Eber Hugh ..... Clayton
Wright, Bess B. ..... Elk Rapids
Yates, Maude E. ..... Washington
Zach, Mabel S. ..... Ypsilanti

GRADED SCHOOL CERTIFICATE

Alexander, Mary Loretta ..... Sandusky, O.
Barry, Flossie ..... Assyria
Billings, Daisy ..... Dryren
Billings, Vida ..... Dryden
Brennan, Catherine ..... Detroit
Dealy, Margaret ..... Yankton, S. Dak.
Felton, Florence ..... Dorr
Folyer, Clara ..... Yankton, S. Dak.
Hill, Edna ..... Delray
Holliday, Belle ..... Vassar
Knoll, Jessie ..... Dundee
Laffrey, Belva ..... Marine City
Lewis, Katherine ..... Lowell
Mallison, Julia ..... Hesperia
Matzen, Edna M. ..... Cass City
Moore, Sarah L. ..... Bay City
Morgan, Alice B. ..... Stockbridge
Mott, Ethel ..... Mayville
Mott, Hattie ..... Mayville
McLaren, Susie ..... Port Huron
Newcomer, Marybelle ..... Memphis
Nower, Hazel ..... Lawrence
Palmer, May ..... Houghton
Parks Agnes ..... Elk Rapids
Pfaff, Myrtle ..... Bad Axe
Price Lulu ..... Almont
Steeds, Ivah ..... Owosso
Townsend, Clara ..... Gaylord

RURAL SCHOOL CERTIFICATE

Bowen, Alice ..... Detroit
Browning, Margaret ..... Pentwater
Craine, Ruth ..... Port Huron

Finch, Clifford, ...Ypsilanti
Godfrey, Edith .....Jonesville
Kenyon, Edith .....Adrian
Lewis, Edith .....Oxford
Martin, Hazel .....Hillsdale
Moorehouse, Lily .....Edenville
Reynolds, Leona ..... Hancock
Risto, Estelle .....Eaton Rapids
Scott, Erman O. .....Ypsilanti

DEGREE B. Pd.

Bath, William H. .....Monroeville, O.
Butler, Leslie Anderson .....Central Lake
Carpenter, George Clarence .....Bronson
Cooley, Herbert Carroll .....Ypsilanti
Deam, Effie .....Ypsilanti
Ferguson, Alfred L. .....Northville
Hendricks, Lauretta M. .....Wyandotte
King, S. Edith .....Lansing
Lamb, Lottie L. .....Fenton
Loomis, Lulu Elta .....Ypsilanti
Mans, Louise S. .....Trenton
McKay, Jean Armour .....Ypsilanti
Miller, Clayton C. .....Battle Creek
Moeller, Julius H. .....Hillsdale
Norris, Orland O. .....Ypsilanti
Parker, Mary .....Traverse City
Pomeroy,, Esther Curtis .....Hilo, S. I.
Reed, Earnest J. .....Ypsilanti
Sargent, Berniece .....Ypsilanti
Smith, Arthur L. .....Reed City
Smith, Park H. .....Fayette, O.
Steimle, Clemens P. .....Atlantic Mine
Trathen, Sidney P. .....Houghton
Travis, Martin B. .....Clarkston
Walling, Wilder Levern .....Onaway

DEGREE A. B.

Carpenter, Clifford D. .....Bronson
Jensen, Frank .....Ypsilanti
Krell, Carrie .....Holland

DEGREE M. Pd.

Clarke, James Elton .....Albuquerque, N. M.
Elson, W. H., A. B. .....Cleveland, O.
Jeffers, Fred A. .....Atlantic Mine
Putnam, Mary Burnham, Ph. B., ...Ypsilanti
St. John, Charles E., Ph. D. .....Oberlin, O.

August, 1906

LIFE CERTIFICATE

Aumert, Louise .....Grand Rapids
Bammel, Romelda .....Bay City
Bauer, Mrs. M. Marie .....Britton
Bebeau, Irene .....Rockland
Brocker, Mary Alma .....Dexter
Bowen, Cora L. .....Ypsilanti
Brock, R. W. .....Muskegon
Bullis, Helen Pearl .....Maple Rapids
Butler, Martha .....Detroit
Chapin, Alice C. .....Eden
Childs, Emma .....Ypsilanti
Corbin, Florence A. .....Ashtabula, O.
Curtis, Mary Frances, ...Dundee
Dickey, Pearl L. .....Albion
Dickinson, Agnes .....Benton Harbor
Egeler, Mabel .....Wayne
Eggert, Frederika .....South Bend, Ind.
Faulkner, D. Winifred .....Grand Rapids
Gabriel, Ina V. .....Owosso
Godard, Sadie Mae .....Imlay City
Graham, Edna Beatrice .....Detroit
Hale, Maud Frances .....Hesperia
Hall, Carrie A. .....Ludington
Harry, Jessie V. .....Hubbell
Heisner, Gertrude Ethel .....Bay City
Hinsliff, Gail Blanche .....Calumet
Hollister, Margaret .....Battle Creek
Holmes, Emma Eliza .....Ypsilanti
Houle, Anna .....Rockland
Jackson, Edna Grace .....Davisburg
Janes, Lionel Leroy .....Coloma
Joy, Mary Evans .....Millington
Kelley, Genevieve .....Bay City

Kelley, Gertrude .....Cadillac
Kuemmerle, Pauline .....Grand Rapids
Long, Leo F. .....Tekonsha
Morrison, Belle .....DeWitt
Mowers, Pearl .....Portland
Murphy, Aurelia .....Negaunee
Pakes, Nellie B. .....Missoula, Mont.
Phillips, Athelia .....Plainwell
Prine, Howard C. .....Springport
Rorabeck, Lovisa .....Eaton Rapids
Ryerson, Grace .....Holton
Schmidt, Ferinand H. .....Sebewaing
Shiffler, Orpha .....Frontier
Stephens, Leo. .....Milford
Stevenson, Helen .....Port Huron
Thomas, May J. .....Grand Rapids
Travis, Edith Margaret, ... Elsie
Treiber, Emma .....Niles
Welch, Edgar G. .....
Wood, Angie Sylvina .....Charlevoix

GRADED SCHOOL CERTIFICATE

Baker, Winifred .....Petoskey
Beals, Aimee, ...Paw Paw
Beeby, Adeline .....Sparta
Behrens, Ethel W. .....Muskegon
Bixler, Abbie R. .....Mt. Gilead, O.
Bliss, Iva .....Ypsilanti
Clink, Ray I. .....East Jordan
Collins, Minnie .....Mt. Clemens
Damson, Emma .....Holland
Deaner, Bernice .....St. Joseph
Duncanson, Jean .....Harbor Beach
Dykema, Magdalene .....Holland
Elliott, Gaynell .....Bravo
Fisk, Eleanor .....Athens
Fraser, Nana .....Medina
French, Veva Belle .....Riley Center
Geer, Florence .....Ypsilanti
Goldsmith, Lois .....Vicksburg
Griffith, Frances .....Eaton Rapids
Gurtzweiler, Rose .....Deerfield

Hamlin, Anna ..... Eaton Rapids
Hart, Maud ..... Eaton Rapids
Harten, Anna ..... Bay City
Hocking, Johanna ..... Leslie
Hosbein, Rose Belle ..... St. Joseph
Howard, Alta Evelyn ..... Concord
Hubbard, Julia K. ..... New Baltimore
Hughes Pearl ..... Marshall
Hull, Mabel R. ..... Onondaga
Hutton, Florence E. ..... Fairgrove
Johnson, Elizabeth ..... Evart
Kemler, Flossie E. ..... Eaton Rapids
Lindow, Cora ..... Marine City
Lindsay, Edna ..... Corunna
Mills, Ina ..... Clinton
McFarland, Gladys ..... Scottville
McNeil, Marion G. ..... Bay City
Nicolson, Ethel E. ..... Mariette
Nye, Mabel, ... St. Joseph
Olson, Mabel, ... Muskegon
Paisley, Georgia ..... Ypsilanti
Perso, Matilda M. ..... Hubbell
Philbrick, Verna B. ..... Mt. Clemens
Polk, Mamie ..... River Rouge
Purdy, Grace A. ..... Sand Hill
Rogers, Anna L. ..... Evart
Scott, Maude ..... Grand Haven
Smallidge, Clara B. ..... Grass Lake
Sutherland, Mrs. Elizabeth ..... Jennings
Thomas, Annie ..... Lansing
Van Ommeren, Flora ..... Laingsburg
Wade, Alda M. ..... Green Oak
Westphal, Louise M. ..... W. Bay City
Wetmore, Georgia ..... Holland
Woodman, Cora ..... Paw Paw
Worden, Irma ..... Harbor Beach

RURAL SCHOOL CERTIFICATES

Fritz, Julia A. ..... Dexter
Geer, Vera ..... Swanton O.
Jarvis, Edna L. ..... Plymouth
Kelsey, Catherine M. ..... Saline

Murray, Julia ..... Flint
McNair, Lida ..... Flint
O'Brien, May ..... Milan
Wilson, Bertha B. ..... Chelsea

SPECIAL DRAWING CERTIFICATE

Mosher, Margery ..... Manistique
Reynolds, Ione ..... Paw Paw

CONSERVATORY OF MUSIC

Bechtel Ethel K. ..... Manton

DEGREE B. Pd.

Beal, Vinora ..... Townley
Green, Carlton W. ..... Marcellus
Heesen, M. Grace ..... Toledo, O.
Kniffen, Claude F. ..... Britton
Lockwood, Margaret ..... Pittsford
Parkins, Almon Earnest ..... Holland
Root, C. C. ..... Shelby

Table Showing Attendance by Counties and Other States for the Year 1906-07

(These figures do not include the enrollment for the summer term).

Alcona		Iosco	9
Alger	1	Iron	7
Allegan	15	Isabella	1
Alpena		Jackson	26
Antrim	7	Kalamazoo	2
Arenac	4	Kalkaska	
Baraga	3	Kent	47
Barry	10	Keweenaw	
Bay	7	Lake	
Benzie	6	Lapeer	19
Berrien	19	Leelenau	
Branch	16	Lenawee	29
Calhoun	21	Livingston	29
Cass	8	Luce	1
Charlevoix	4	Mackinac	4
Cheboygan	5	Macomb	32
Chippewa	7	Manistee	3
Clare		Marquette	3
Clinton	20	Mason	7
Crawford		Mecosta	1
Delta		Menominee	4
Dickinson	7	Midland	2
Eaton	25	Missaukee	1
Emmet	10	Monroe	10
Genesee	27	Montcalm	11
Gladwin		Montmorency	1
Gogebic		Muskegon	4
Gd. Traverse	6	Newaygo	7
Gratiot	6	Oakland	47
Hillsdale	22	Oceana	18
Houghton	31	Ogemaw	
Huron	6	Ontonagon	1
Ingham	33	Osceola	17
Ionia	28	Otsego	3

Oscoda	2	St. Clair	19
Ottawa	18	St. Joseph	29
Presque Isle	1	Tuscola	15
Roscommon		Van Buren	21
Saginaw	8	Washtenaw	256
Sanilac	9	Wayne	91
Schoolcraft	3	Wexford	7
Shiawassee	18		

OTHER STATES

Idaho	1	New York	7
Illinois	6	Ohio	37
Indiana	12	Ontario	2
Iowa	1	Pennsylvania	3
Kansas	3	Texas	1
Missouri	1	West Virginia	1
Montana	2	Wisconsin	3
New Mexico	1		

Statistics for 1906-1907

Increased Enrollment during Spring Quarter 1906....		31
Enrollment in Normal College proper for the college year to date, May 1, 1907.....		1247
Number entering this year for the first time.....	546	
Number of above received on diploma.....	485	
Number of preparatory students.....	27	
Number of students in Conservatory of Music.....	260	
Number of candidates for degree B. Pd. in residence	20	
Number of candidates for degree A. B. in residence..	6	
Number of counties sending students (see table p. 239)	70	
Number of counties not represented.....	13	
Number who have taught	497	
Number enrolled in summer term of 1905.....		1387
		2665
Deduct counted twice.....		164
Total attendance to date, May 1, 1907, for the year beginning July 1, 1905, including number enrolled In Training School		2501
Pupils enrolled in Training School:		
Kindergarten	97	
First grade	51	
Second grade	37	
Third grade	41	
Fourth grade	50	
Fifth grade	44	
Sixth grade	48	
Seventh grade	39	
Eighth grade	36	
High School department.....	62	
Total in Training School		505
Total attendance in College and Training School		3006

Directory for 1906-1907

JONES, L. H., A.M., 733 Forest Avenue.

Adams, Edith .....216 Hamilton St.
Baker, Estella .....111 N. Normal St.
Barbour, Florus A., A.M. .....408 Forest Ave.
Blount, Alma, Ph.D. .....219 Adams St.
Boardman, Alice I. .....216 Hamilton St.
Bowen, W. P., M.S., B.Pd. .....129 College Place
Buell, Bertha G., B.L. .....1 Summit St.
Burton, Fannie Cheever, M.Pd. .....517 Adams St.
Clark, Inez .....517 Adams St.
Colby, Charles C. .....316 Congress St.
Cook, Edna T., B.S. .....109 S. Huron
D'Ooge, Benjamin L., A.M., Ph.D. .....420 Forest Ave.
Downing, Estelle, A.B. .....1 Summit St.
Fleischer, Ida, Ph.D. .....810 Congress St.
Ford, R. Clyde, Ph.D. .....505 Chicago Ave.
Foster, Clyde E. .....418 Florence St.
Fuller, Grace .....318 Ellis St.
Gardner, Emelyn E., A.B. .....220 Huron St.
Garner, Lota H. .....920 Congress St.
Goddard, Mary A., A.B. .....516 Adams St.
Goodison, Bertha .....317 Huron St.
Gorton, Frederick R., Ph. D. .....512 Forest Ave.
Harvey, Nathan A., Ph. D. .....223 Summit St.
Hoyt, Charles O., A.B., Ph.D. .....417 Forest Ave.
Jackson, Adella .....105 Normal St.
Jefferson, Mark. S. W., A.M. .....14 Normal St.
King, Julia Anne, A.M., M.Pd. .....611 Pearl St.
Kneip, Helene .....213 Michigan St.
Laird, S. B., B.Pd., M.S. .....318 Forest Ave.
Lathers, J. Stewart, B.L. .....416 Olive St.
Lombard, Mary Joy, B.L. .....324 Forest Ave.
Loomis, L. Elta .....706 Emmet St.
Lott, Henry C., A.M., M.Pd. .....40 Summit St.
Lyman, Elmer A., A.B. .....126 Washington St.

Lynch, Abigail .....217 Washington St.
McLellan, Elisabeth B. .....216 Hamilton St.
Magers, S. D., M.S. .....914 Congress St.
Muir, Helen B. .....511 Ellis St.
Norris, Orland O. .....315 Cross St.
Norton, Ada A., Ph.M. .....510 Pearl St.
Norton, Lucy S., A.B. .....114 N. Normal St.
Oliff, Lillian .....422 Pearl St.
Olmsted, Annie H. .....220 Huron St.
Pearce, Abigail, PhB., B.Pd. .....410 Emmet St.
Pease, Frederic H. .....43 Summit St.
Peet, B. W., M.S. .....510 Emmet St.
Phelps, Jessie, M.S. .....429 Adams St.
Pittinger, Benjamin H. .....713 Cross St.
Putnam, Mary B., Ph.B., M.Pd. .....314 Forest Ave.
Putnam, Ruth .....314 Forest Ave.
Reinhold, Robert M. .....306 Normal St.
Rice, E. Josephine .....114 Normal St.
Roberts, Dimon H., A.M. .....307 Congress St.
Roe, Abigail .....220 Huron St.
Sherzer, William H., M.S., Ph.D. .....9 N. Summit St.
Shultes, Florence, B.Pd. .....210 Washington St.
Steagall, Mary M., Ed.B. .....316 Congress St.
Steimle, Clemens P. .....201 Washington St.
Stone, John C., A.M. .....423 Forest Ave.
Stowe, Hester P. .....220 Huron St.
Strong, Edwin A., A.M. .....127 Normal St.
White, Minor E. .....611 Ellis St.
Wilson, Ella M. .....1 Summit St.
Wise, Margaret E. .....18 Adams St.
Wright, Annie C. .....19 Hamilton St.

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